

## Appendix C.

# Statistical Methodology

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### MAIL LIST MODEL

Classification analysis was performed to predict the probability that an addressee on the 1992 mail list operated a farm, and thereby separated the preliminary mail list into probable farm and probable nonfarm classes. The analysis was used to reduce the preliminary census mail list of 3.78 million records to a final mail list size of 3.55 million records. All 3.55 million addresses on the final mail list received a census of agriculture report form.

Records from the 1987 final census mail list were used to build a 1992 prediction model for the 1992 analysis. Classification and Regression Trees (CART) software analyzed characteristics of known 1987 farm and nonfarm operations to determine which were most useful in predicting farm and nonfarm classes. Record characteristics such as the source of the mail list record, number of source lists on which the record appeared, expected value of agricultural sales, and geographic location were used to separate mail list records into model groups. (Sources included the previous agriculture census mail list, the Internal Revenue Service administrative records, U.S. Department of Agriculture, and special commodity lists.) The proportion of 1987 census farm records in each model group was calculated to provide an estimate of the probability that an addressee in the group operated a farm.

After the model groups were defined, each address record on the 1992 preliminary mail list was assigned to a model group by matching record characteristics to model group characteristics. Records belonging to the groups with the highest farm probability were those more likely to be farms according to the classification tree methodology. The model, followed by analyst reviews, was used to remove 229,700 records from the preliminary mail list (those in model groups with the lowest farm probability), and thereby designated the 3.55 million records with the highest farm probability to receive the census report form. This procedure was used to obtain a more complete census enumeration of farm operations without excessive respondent burden and data collection cost.

### CENSUS SAMPLE DESIGN

Each of the 3.55 million name and address records on the census mail list was designated to receive one of three different types of census report forms. The three forms were the nonsample form, the screener form, and the

sample form. Sections 1 through 20 and 27 through 32 of the sample form are identical to sections on the nonsample form. The sample form, sections 21 through 26, contains additional questions on usage of fertilizers and chemicals, farm production expenditures, value of machinery and equipment, value of land and buildings, and farm-related income. The screener form is identical to the nonsample form with questions added in section 1 to allow quick identification of nonfarm addresses. These three different forms were used to reduce the response burden of the census, while providing reliable information on a large number of data items.

The sample form was mailed to all mail list records in Alaska, Hawaii, and Rhode Island, and to a sample of records in other States selected from the final mail list. Addresses were selected into the sample with certainty (1) if they were expected to have large total value of agricultural products sold or large acreage, (2) if they were multiunit operations (i.e., separate farms in more than one location), (3) if they had other special characteristics, or (4) if they were in a county with less than 100 farms in 1987. Other addresses in counties containing 100 to 199 farms in 1987 were systematically sampled at a rate of 1 in 2, and other addresses in counties containing 200 farms or more in 1987 were systematically sampled at a rate of 1 in 6. This differential sampling scheme was used to provide reliable data for the sample sections of the report form for all counties. When a nonsample large farm was identified during processing, a supplemental form that contained the additional sample data inquiries was mailed.

To determine which mail list records would receive the screener form, all mail list records not designated for the sample were sorted by model group farm probability as specified by the mail list model. The 412,000 mail list records in the model groups with the lowest probability of being farms and with an expected total value of agricultural product sales less than \$25,000 were designated to receive the screener report form. The remaining mail list records received the nonsample report form.

### CENSUS ESTIMATION

The 1992 Census of Agriculture used two types of statistical estimation procedures. These estimation procedures accounted for nonresponse to the data collection and for the sample data collection. These procedures are necessary because some farm operators never respond to

the census despite numerous attempts to contact them, and the estimates for the sample data are based on a sample of farm operators rather than a full enumeration.

## Whole Farm Nonresponse Estimation

A statistical estimation procedure was used to account for nonrespondent farm operators to the census. We excluded large and unique farm operations that received intensive telephone followup during census processing, assuming complete response from them. A stratified systematic sample of remaining census nonrespondents were contacted by enumerators using a computer-assisted telephone interview system. Five sample strata were defined based on expected value of sales, previous census status, and whether the record was identified by the mail list model to receive the screener report form. The nonresponse survey telephone interview was designed to provide sufficient information to determine the farm status of each record.

In situations where the nonresponse survey case could not be contacted, the contact person refused to cooperate, or when no phone number could be obtained, a screener report form was sent by certified mail.

Estimates of the proportion of census nonrespondents that operated farms were made for each stratum in the State using survey results and applied to the total number of census nonrespondents in that stratum. The number of census nonrespondents that operated farms for each county by stratum was then derived. This estimation procedure is based on the assumption that the distribution of farms in a stratum by county is the same for census nonrespondents as for census respondents.

Certain census respondent farms which exhibited "rare" commodities were designated as "ineligible" to represent census nonrespondent farms and were excluded from the nonresponse weighting operation. The procedure explained below was performed with only the eligible respondent cases: Within each stratum in a county, a noninteger nonresponse weight was calculated and assigned to each eligible respondent farm record. The noninteger nonresponse weight is the ratio of the sum of the estimated number of nonrespondent farms from the nonresponse survey and the number of eligible census respondent farms to the number of eligible census respondent farms. Stratum controls were established to ensure that this weight was never greater than 2.0. The noninteger nonresponse weight was used in the calculation of the final weight for the sample items. The noninteger nonresponse weight was randomly rounded to an integer weight of either 1 or 2 for each record for tabulating the complete count items for publication.

Table A quantifies the effect of the nonresponse estimation procedure on selected census data items. The percentages in these tables are the percents of the census values contributed by nonresponse estimation. These indicate the potential for bias in published figures resulting from nonresponse to the census. The estimates provided

in these tables do not reflect the effect of item nonresponse to individual census data items. The effect of item nonresponse is discussed in the Census Nonsampling Error section.

**Table A. Percent of State Totals Contributed by Whole Farm Nonresponse Estimation: 1992**

Item	Percent of total
Farms .....	16.1
Land in farms.....acres .....	11.9
Estimated market value of land and buildings <sup>1</sup> .....\$1,000 .....	4.6
Market value of agricultural products sold ..\$1,000 .....	7.8
Harvested cropland .....acres .....	8.4
Corn for grain or seed .....acres .....	4.9
Wheat for grain .....acres .....	3.1
Livestock and poultry inventory:	
Cattle and calves .....number .....	12.2
Hogs and pigs .....number .....	4.7
Hens and pullets of laying age .....number .....	.4

<sup>1</sup>Data are based on a sample of farms.

## Sample Estimation

Sample data estimates the population totals that would have resulted from a complete census for the items in sections 21 through 26 of the sample report form. The estimates were obtained from a ratio estimation procedure that resulted in the assignment of a weight to each respondent record containing sample items. For any given county, a sample item total was estimated by multiplying the data items for each farm in the county by the corresponding sample weight and summing over all sample records in the county.

Each respondent sample farm was assigned a sample weight for use in producing estimates for all sample items. For example, if the weight given to a sample farm had the value 6, all sample data items reported by that farm would be multiplied by 6. The weight assigned to a sample certainty farm was 1.

Other than certainty farms, within a county, the ratio estimation procedure for farms was performed in three steps using three variables. The first variable contained eight 1992 total value of agricultural production (TVP) groups. Both the second and third variables, Standard Industrial Classification (SIC) code and farm acreage, contained two groups. The three sets of groups were as follows:

TVP	SIC	Acres
\$1 to \$999	01 All crops	1 to 69
\$1,000 to \$2,499	02 All livestock	70 or more
\$2,500 to \$4,999		
\$5,000 to \$9,999		
\$10,000 to \$24,999		
\$25,000 to \$49,999		
\$50,000 to \$99,999		
\$100,000 or more		

The first step in the estimation procedure was to classify the sample records into 32 mutually exclusive initial post strata formed by the three sets of groups. The total and sample farm counts were expanded to account for nonresponse. Each cell containing sample farm records was assigned an initial sample weight equal to the ratio of the total farm count to the sample farm count. This weight was approximately equal to the inverse of the probability of selecting a farm for the census sample.

The second step in the estimation procedure was to combine, if necessary, the 32 initial post strata to increase the reliability of the ratio estimation procedure. Any stratum that contained less than 10 sample farms after nonresponse adjustment or had a weight greater than two times the mail sample rate was collapsed with another stratum. The mail sample rate was either 2 or 6, depending on whether the county had a 1 in 2 or 1 in 6 sample selection rate. The collapsing occurred within the initial 32 post strata according to a specified collapsing pattern. After the collapsing process was completed, new total farm counts and sample farm counts were computed from each of the final post strata and were used to calculate final sample weights.

The final step consisted of assigning the noninteger final post stratum weight to the sample farm records in each post stratum. The weight is the ratio of total farm count to sample farm count in each final post stratum. The noninteger sample weight, the product of the noninteger final post stratum weight and the nonresponse weight, was randomly rounded to an integer weight for tabulation. If, for example, the final weight for the farms in a particular post stratum was 7.2, then 0.2 or one-fifth of the sample farms in this post stratum were randomly assigned a weight of 8 and the remaining four-fifths received a weight of 7.

## CENSUS SAMPLING ERROR

The sample for the 1992 Census of Agriculture is only one of a large number of possible samples of the same size that could have been selected using the same sample design. Sample refers to the sample for both the nonresponse survey and the selection of farms to receive the sample report forms. Estimates derived from all the possible samples would differ from each other only by random variation.

The standard error or sampling error of a survey estimate is a measure of the variation among the estimates from all possible samples and thus is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. The percent relative standard error of an estimate is defined as 100 times the standard error of the estimate divided by the value of the estimate.

If all possible samples were selected, each of the samples were surveyed under essentially the same conditions, and an estimate and its standard error were calculated from each sample, then:

1. Approximately 90 percent of the intervals from 1.65 standard errors below the estimate to 1.65 standard errors above the estimate would include the average value of all possible samples.
2. Approximately 95 percent of the intervals from 1.96 standard errors below the estimate to 1.96 standard errors above the estimate would include the average value of all possible samples.

The following example illustrates the computations necessary for producing a confidence interval for an estimate. Assume that the estimate of number of farms for a State is 94,382 and the relative standard error of the estimate is .1 percent (0.001). Multiplying 94,382 by 0.001 yields 94, the standard error; therefore, a 90-percent confidence interval is 94,227 to 94,537 (i.e., 94,382 plus or minus 1.65 x 94). If corresponding confidence intervals were constructed for all possible samples of the same size and design, approximately 90 percent of these intervals would contain the figure obtained from a complete enumeration. Similarly, a 95-percent confidence interval is 94,198 to 94,566 (i.e., 94,382 plus or minus 1.96 x 94).

Census items were classified as either complete count or sample count items. Complete count items were asked of all farm operators. Examples of complete count items were land in farms, harvested cropland, livestock inventory and sales, crop acreage, quantities harvested and crop sales, land use, irrigation, government loans and payments, conservation acreage, type of organization, and operator characteristics.

Sample count items were asked only of a sample of farm operators. These items appeared only in sections 21 through 26 of the sample report form. Sample count items were included under the following section headings: commercial fertilizers, chemicals, production expenses, farm machinery and equipment, value of land and buildings, and farm-related income.

Variability, measured as percent relative standard error, in the estimates of complete count items is due only to the nonresponse survey estimation procedure. Variability in the estimates of sample count items is due to both the nonresponse survey estimation procedure and the census sample selection and estimation procedure. Thus, variability in the sample count item estimates tends to be larger than the variability in the complete count item estimates.

Table B provides the generalized reliability estimates of the estimated number of farms in a county reporting complete count and sample count items. The top half of the table shows the percent relative standard error for estimated number of farms in a county reporting a complete count item and the bottom half a sample count item. These are derived from regression equations. Separate regression equations were used for complete count items and sample count items. Each regression equation was fit with the estimated number of farms in a county reporting an item as the independent variable and the relative variance of that estimate as the dependent variable for all counties in the State. For sample count items, only data

from counties sampled at a rate of 1 in 6 are used in the estimation of the regression equation.

**Table B. Reliability Estimates for Number of Farms in a County Reporting a Complete Count Item or Sample Count Item: 1992**

Farms	Relative standard error of estimate (percent)
<b>COMPLETE COUNT ITEM</b>	
Number of farms reporting:	
25	6.3
50	4.2
75	3.3
100	2.6
150	1.8
200	1.2
300	1.0
500	.8
750	.6
1,000	.5
1,500	.4
2,000	.4
<b>SAMPLE COUNT ITEM</b>	
Number of farms reporting:	
25	35.8
50	26.5
75	22.5
100	20.2
150	17.6
200	16.2
300	14.6
500	13.2
750	12.4
1,000	12.0
1,500	11.6
2,000	11.4

To illustrate the use of this table, assume that the estimate of the number of farms reporting hogs and pigs for a particular county, as given in county table 15, is 89. Since hogs and pigs is a complete count data item, refer to the first part of table B and use the estimated percent relative standard error of the estimate from the row with farm count equal to or just less than the estimated number of farms, 89. For this example, the percent relative standard error of the estimate comes from the row for 75 farms reporting. For sample count items, follow the same procedure using the second part of table B. For counties with fewer than 100 farms in the 1987 Census of Agriculture, variability in sample count item estimates comes only from nonresponse survey estimation procedures; thus, the estimated relative standard error for a sample count item in these counties may be obtained using the first part of table B.

Table C presents the percent relative standard error of selected State data items for all farms, and table D presents the percent relative standard error of selected State data items for all farms with sales of \$10,000 or more.

Table E presents the percent standard error for percent change in State totals from 1987 to 1992. The general

purpose of the percent change estimate is to provide a relative measure of the difference in a characteristic between censuses. The relative change for a given characteristic is defined as the ratio of the difference of the 1992 and the 1987 estimate for that characteristic to the 1987 estimate. This ratio is multiplied by 100 to obtain the percent change. The percent standard error of a percent change estimate, then, is the standard error of the ratio multiplied by 100.

Table F presents the percent relative standard error for State and county totals for selected data items. The percent relative standard error of the estimate for the same item differs among counties in the State. Reasons for this are differences among counties in (1) the total number of farms, (2) the number of large farms included with certainty, (3) the size classifications of the farms sampled, (4) the amount of nonresponse, (5) the general agricultural characteristics, and (6) the specific characteristic being measured.

## CENSUS NONSAMPLING ERROR

The accuracy of the census counts are affected jointly by sampling errors, described in the previous section, and nonsampling errors. Extensive efforts were made to compile a complete and accurate mail list for the census, to design an understandable report form with instructions, and to minimize processing errors through the use of quality control measures on specific operations. Nonsampling errors arise from incompleteness of the census mail list, duplication in the mail list, incorrect data reporting, errors in editing of reported data, and errors in imputation for missing data. These specific nonsampling errors are further discussed in this section. Evaluation studies will be conducted to measure the extent of certain nonsampling errors such as coverage error and classification error.

## Census Coverage

The main objective of the census of agriculture is to obtain a complete and accurate enumeration of U.S. farms with accurate data on all aspects of the agricultural operation. However, the high cost and availability of resources for enumeration place restrictions on feasible data collection methodologies. The past six agriculture censuses have been conducted by mail enumeration with telephone contact for selected nonrespondents. The completeness of such an enumeration thus depends to a large extent on the coverage of farm operations by the census mail list.

The past five censuses of agriculture have included approximately 91 percent of farms in the United States and approximately 96 percent of agriculture production. Complete enumeration of agricultural operations satisfying the farm definition of \$1,000 or more in agricultural sales is complicated by fluctuations in agricultural operations qualifying for enumeration, the variety of arrangements under which farms are operated, the multiplicity of names used

by an operation, the number of operations in which an operator participates, the accuracy of data reporting, and other factors. A new mail list is compiled for each census because no current single list of agricultural operations is comprehensive.

An evaluation of census coverage has been conducted for each census of agriculture since 1945. The evaluation provides estimates of the completeness of census farm count and major census data items. In addition, the evaluation helps to identify problems in the census enumeration and provide information that can form the basis for improvements. The results of the 1992 Coverage Evaluation program will be published in volume 2, Subject Series (Part 2): Coverage Evaluation.

The evaluation of coverage for the 1992 census was designed to measure four components of error in the census mail list and in farm classification. Mail list error includes two components of error, a measurement of farms not on the census mail list (undercount) and a measurement of farms enumerated more than once in the census (overcount). Classification error includes two components of error, a measurement of farms classified as nonfarms in the census (undercount) and of nonfarms classified as farms in the census (overcount). Classification error arises from reporting and processing errors. Mail list undercount dominates all coverage errors. Net coverage error is defined as the difference between undercounted and overcounted farms. Measurements of these errors, as well as a description of the complete coverage program, will be available in the Coverage Evaluation report.

## **Mail List Coverage**

A major problem with mail enumeration for the census of agriculture is the difficulty encountered in compiling a complete mail list. The percentage of farms included on the census mail list varies considerably by State. Several reasons have contributed to farm operator names not being included on the census mail list—the operation may have been started after the mail list was developed, the operation may be so small as not to appear in any of the agriculture-related source lists used in compiling the census list, or the operation may have been falsely classified as a nonfarm prior to mailout. A large proportion of the farms not included on the mail list are small in both acres and sales of agricultural products.

The 1992 Census of Agriculture Coverage Evaluation used the area segment sample of the 1992 June Agricultural Survey (JAS) of the National Agricultural Statistical Service (NASS) to estimate farms not on the census mail list. The Census Bureau contracted with NASS to augment the JAS data collection. The survey data collected by NASS will be protected under the confidentiality of title 13, U.S. Code. These JAS survey records were matched to the census mail list. Records that did not match were mailed a census of agriculture report form to estimate mail list

coverage. Estimates of farms not on the census mail list are computed using a capture-recapture dual frame estimator which will be described in the Coverage Evaluation report mentioned earlier.

Table G provides coverage evaluation estimates for one component of coverage error associated with the census of agriculture; that is, the error due to farms not on the census mail list. Also provided are estimates of selected characteristics of farms not on the mail list, estimates of characteristics of farms not on the mail list as a percentage of total farms in the State, and the percent relative standard error associated with each estimate. The estimate of total farms in the State is based on census farm count plus the estimated number of farms not on the census mail list. This estimate of total farms in the State was not adjusted for the components of error associated with classification and list duplication error. Estimates of these errors will be made at the regional, rather than the State level, and will be provided in the Coverage Evaluation report mentioned earlier.

## **Respondent and Enumerator Error**

Incorrect or incomplete responses to the mailed census report form or to the questions posed by a telephone enumerator introduce error into the census data. Such incorrect information can lead, in some cases, to incorrect classification of farms. This type of reporting error is measured by the Classification Error Survey discussed later in this section. To reduce all types of reporting error, detailed instructions for completing the report form were provided to each addressee. Questions were phrased as clearly as possible based on tests of the census report form and each respondent's answers were checked for completeness and consistency.

## **Item Nonresponse**

As information flows from data collection to tabulation, various types of item nonresponses are identified on the report forms. Nonresponse to particular questions on the report form that logically should be present may create a type of nonsampling error in both complete count and sample count data. When information from reporting farms is used to edit or impute for item nonresponse, the data may be biased due to characteristics of the nonreporting respondents differing from those reporting the item. Any attempt to correct the data items may not completely reflect this difference either at the element level (individual farm operation) or on the average.

## **Processing Error**

All phases of processing for each report form are sources for the introduction of nonsampling error. The processing of the report forms includes clerical screening for farm activity, computerized check-in of report forms and follow-up of nonrespondents, keying and transmittal of

completed report forms, computerized editing of inconsistent and missing data, review and correction of individual records referred from the computer edit, review and correction of tabulated data, and electronic data processing. These operations undergo a number of quality control checks to ensure as accurate an application as possible, yet some errors are not detected and corrected.

## Classification Error

An evaluation study of classification errors was conducted in the 1992 Census of Agriculture as part of the census coverage evaluation program. A sample of census mail list respondents was selected, and these addresses were reenumerated to determine whether they were a farm or nonfarm. A farm status determination was made based on the evaluation report form and compared with the census farm status which was based on the data reported on the report form. Differences in status were reconciled.

In past censuses, the proportion of farms undercounted due to classification errors was higher for farms with small values of sales. For the 1987 census, the classification error rate was higher for (1) farms with small values of sales, (2) farms with a small number of acres, (3) full-owner farms than part-owner or tenant farms, (4) operators with principal occupation other than farming, and (5) males than females. Results from the 1992 Classification Error Survey will be published in the Coverage Evaluation report.

## EDITING DATA AND IMPUTATION FOR ITEM NONRESPONSE

The Census of Agriculture Complex Edit and Imputation System performs the following functions:

- Ensuring reasonable relationships between/among data items, values for various sizes of farms, and combinations of commodities.
- Ensuring necessary consistencies are present. There are more than 70 distinct consistency requirements.
- Ensuring geographic, legal, and physical constraints are met.

The system must perform these and similar functions for 900 data keycodes for sample records and 850 data keycodes for nonsample records.

For the 1992 Census of Agriculture, as in previous censuses, all reported data were keyed and then edited by computer. The edits were used to determine whether the reports met the minimum criteria to be counted as farms in the census. The complex edit and imputation system provided the basis for deciding to accept, impute (supply), delete, or alter the reported value for each data record item.

Whenever possible, edit imputations, deletions, and changes were based on component or related data on the respondent's report form. For some items, such as operator characteristics, data from the previous census were used when available. Values for other missing or unacceptable reported data items were calculated based on reported quantities and known price parameters.

When these and similar methods were not available and values had to be supplied, the imputation process used information reported for another farm operation in a geographically adjacent area with characteristics similar to those of the farm operation with incomplete data. For example, a farm operation that reported acres of corn harvested, but did not report quantity of corn harvested, was assigned the same bushels of corn per acre harvested as that of the last nearby farm with similar characteristics that reported acceptable yields during that particular execution of the computer edit. The imputation for missing items in each section of the report form was conducted separately; thus, assigned values for one operation could come from more than one respondent.

Prior to the imputation operation, a set of default values and relationships were assigned to the possible imputation variables. The relationships and values varied depending on the item being imputed. For example, different default values were assigned for several standard industrial classification and total value of sales categories when imputing hired farm labor expenses. These values and item relationships for the possible imputation variables were stored in the computer in a series of matrices.

Each execution of the computer edit consisted of records from only one State. The computer records were sorted by reported State and county. For a given execution of the edit, the stored entries in the various matrices were retained in memory only until a succeeding record having acceptable characteristics for some sections of the report form was processed by the computer. Then the acceptable responses of the succeeding operation replaced those previously stored. When a record processed through the edit had unreported or unacceptable data, the record was assigned the last acceptable ratio or response from an operation with a similar set of characteristics. Once each execution of the computer edit for a State was completed, the possible imputation variables were reset to the default values and relationships for subsequent executions.

After the initial computer edit, keyed reports not meeting the census farm definition were reviewed to ensure that the data were keyed correctly. Edit referrals were generated for about 25 percent of the reports included as farms; they were reviewed for keying accuracy to ensure that the computer edit actions were correct. If the results of the computer edit were not acceptable, corrections were made and the record was reedited.

**Table C. Reliability Estimates of State Totals for All Farms: 1992**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)	
<b>F FARMS AND LAND IN FARMS</b>						
Farms -----	90 281	1.0				
Land in farms -----	13 665 798	.7	Total farm production expenses -----	farms --	90 280	1.0
Average size of farm -----	151	1.2	\$1,000--	1 828 743	.6	
			Average per farm -----	dollars --	20 256	1.1
<b>M MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>						
Total sales (see text) -----	90 281	1.0	Livestock and poultry purchased -----	farms --	24 318	1.5
\$1,000--	2 663 702	.5	\$1,000--	240 512	1.1	
Average per farm -----	29 505	1.1	Feed for livestock and poultry -----	farms --	44 752	1.2
			\$1,000--	246 108	.8	
Farms by value of sales:			Commercially mixed formula feeds -----	farms --	16 395	1.8
Less than \$1,000 (see text) -----	farms --	7 134	\$1,000--	120 970	1.0	
\$1,000-----		2 309				
\$1,000 to \$2,499 -----	farms --	10 747	Seeds, bulbs, plants, and trees -----	farms --	56 341	1.1
\$1,000-----		18 494	\$1,000--	58 894	.8	
\$2,500 to \$4,999 -----	farms --	14 745	Commercial fertilizer -----	farms --	75 790	1.0
\$1,000-----		53 483	\$1,000--	176 898	.9	
\$5,000 to \$9,999 -----	farms --	17 129	Agricultural chemicals -----	farms --	51 846	1.1
\$1,000-----		122 957	\$1,000--	70 835	1.0	
\$10,000 to \$19,999 -----	farms --	15 965	Petroleum products -----	farms --	86 796	1.0
\$1,000-----		225 535	\$1,000--	105 188	.8	
\$20,000 to \$24,999 -----	farms --	4 389	Electricity -----	farms --	51 552	1.1
\$1,000-----		97 613	\$1,000--	28 787	1.0	
\$25,000 to \$39,999 -----	farms --	7 180	Hired farm labor -----	farms --	39 979	1.3
\$1,000-----		224 706	\$1,000--	202 545	.7	
\$40,000 to \$49,999 -----	farms --	2 443	Contract labor -----	farms --	12 440	2.1
\$1,000-----		108 550	\$1,000--	34 570	2.1	
\$50,000 to \$99,999 -----	farms --	5 519	Repair and maintenance -----	farms --	70 952	1.0
\$1,000-----		385 846	\$1,000--	146 058	.9	
\$100,000 to \$249,999 -----	farms --	3 474	Customwork, machine hire, and rental of machinery and equipment -----	farms --	26 121	1.5
\$1,000-----		532 443	\$1,000--	30 414	1.7	
\$250,000 to \$499,999 -----	farms --	1 094	Interest expense -----	farms --	36 030	1.3
\$1,000-----		371 507	\$1,000--	173 887	1.2	
\$500,000 or more -----	farms --	462	Secured by real estate -----	farms --	27 621	1.5
\$1,000-----		520 259	\$1,000--	133 103	1.4	
Sales by commodity or commodity group:			Not secured by real estate -----	farms --	16 354	1.8
Crops, including nursery and greenhouse crops -----	farms --	69 945	\$1,000--	40 784	1.5	
\$1,000-----		1 449 823	Cash rent -----	farms --	10 111	2.1
Grains -----	farms --	14 049	\$1,000--	51 908	1.4	
\$1,000-----		512 239	Property taxes -----	farms --	83 423	1.0
Corn for grain -----	farms --	10 824	\$1,000--	54 254	1.3	
\$1,000-----		258 740	All other farm production expenses -----	farms --	77 889	1.0
Wheat -----	farms --	3 678	\$1,000--	207 887	.8	
\$1,000-----		50 064				
Soybeans -----	farms --	7 132	<b>NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT) <sup>1</sup></b>			
\$1,000-----		194 719	All farms -----	number --	90 280	1.0
Sorghum for grain -----	farms --	212	\$1,000--	817 456	.9	
\$1,000-----		2 435	Average per farm -----	dollars --	9 055	1.3
Barley -----	farms --	155				
\$1,000-----		1 181	Farms with net gains <sup>2</sup> -----	number --	63 731	1.1
Oats -----	farms --	56	\$1,000--	975 281	.7	
\$1,000-----		94	Average net gain -----	dollars --	15 303	1.3
Other grains -----	farms --	168				
\$1,000-----		5 006	Farms with net losses -----	number --	26 549	1.5
Cotton and cottonseed -----	farms --	-	\$1,000--	157 825	1.6	
\$1,000-----		-	Average net loss -----	dollars --	5 945	2.2
Tobacco -----	farms --	59 318				
\$1,000-----		830 047	<b>GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME</b>			
Hay, silage, and field seeds -----	farms --	14 067	Government payments -----	farms --	11 986	.9
\$1,000-----		52 410	\$1,000--	44 842	.6	
Vegetables, sweet corn, and melons -----	farms --	1 361	Other farm-related income <sup>1</sup> -----	farms --	18 155	1.8
\$1,000-----		8 066	\$1,000--	73 437	2.5	
Fruits, nuts, and berries -----	farms --	492	Customwork and other agricultural services -----	farms --	6 006	3.1
\$1,000-----		2 864	\$1,000--	30 735	4.5	
Nursery and greenhouse crops -----	farms --	792	Gross cash rent or share payments -----	farms --	10 053	2.4
\$1,000-----		41 411	\$1,000--	25 278	3.9	
Other crops -----	farms --	525	Forest products and Christmas trees -----	farms --	1 453	6.3
\$1,000-----		2 786	\$1,000--	6 972	8.5	
Livestock, poultry, and their products -----	farms --	54 050	Other farm-related income sources -----	farms --	2 866	4.2
\$1,000-----		1 213 879	\$1,000--	10 453	2.9	
Poultry and poultry products -----	farms --	749				
\$1,000-----		73 194	<b>COMMODITY CREDIT CORPORATION LOANS</b>			
Dairy products -----	farms --	3 825	Total -----	farms --	1 618	.9
\$1,000-----		266 816	\$1,000--	29 147	.3	
Cattle and calves -----	farms --	50 174				
\$1,000-----		551 530				
Hogs and pigs -----	farms --	4 345				
\$1,000-----		128 774				
Sheep, lambs, and wool -----	farms --	875				
\$1,000-----		1 573				
Other livestock and livestock products (see text) -----	farms --	3 265				
\$1,000-----		191 990				
Value of agricultural products sold directly to individuals for human consumption (see text) -----	farms --	1 785				
\$1,000-----		4 176				

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-7

**Table C. Reliability Estimates of State Totals for All Farms: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
<b>LAND IN FARMS ACCORDING TO USE</b>					
Total cropland	farms--	86 345	All operators	farms--	90 281
	acres--	8 880 989		acres--	13 665 798
Harvested cropland	farms--	79 590	Full owners	farms--	63 398
	acres--	4 417 651		acres--	7 667 482
Farms by acres harvested:			Part owners	farms--	18 779
1 to 9 acres	farms--	30 919		acres--	5 079 120
	acres--	99 983	Tenants	farms--	8 104
10 to 19 acres	farms--	12 064		acres--	919 196
	acres--	162 635			
20 to 29 acres	farms--	8 669	<b>OWNED AND RENTED LAND</b>		
	acres--	200 831	Land owned	farms--	82 274
30 to 49 acres	farms--	9 752		acres--	10 732 658
	acres--	361 996	Owned land in farms	farms--	82 177
50 to 99 acres	farms--	9 228		acres--	10 096 915
	acres--	620 556	Land rented or leased from others	farms--	27 032
100 to 199 acres	farms--	4 862		acres--	3 611 630
	acres--	649 098	Rented or leased land in farms	landlords--	52 772
200 to 499 acres	farms--	2 694		farms--	26 883
	acres--	802 639	Rented or leased to others	acres--	3 568 883
500 to 999 acres	farms--	876			
	acres--	603 145	Land rented or leased from others	farms--	11 484
1,000 acres or more	farms--	526		acres--	678 490
	acres--	916 768			
Cropland:			<b>OPERATOR CHARACTERISTICS</b>		
Pasture or grazing only	farms--	51 273	Operators by place of residence:		
	acres--	3 454 282	On farm operated		62 363
Other cropland	farms--	30 526			1.0
	acres--	1 009 056	Not on farm operated		19 724
Total woodland	farms--	51 979			1.0
	acres--	3 125 631	Not reported		8 194
Pastureland and rangeland other than cropland and			<b>OPERATORS BY TYPE OF ORGANIZATION</b>		
woodland pastured	farms--	15 657	Operators by principal occupation:		
	acres--	1 058 922	Farming		40 175
Land in house lots, ponds, roads, wasteland, etc.	farms--	55 169			.9
	acres--	600 256	Other		50 106
Irrigated land	farms--	2 120	Operators by days worked off farm:		
	acres--	27 647	Any		51 075
Acres irrigated:			200 days or more		36 497
1 to 9 acres	farms--	1 660	Operators by sex:		
	acres--	4 585	Male	farms--	82 523
10 to 49 acres	farms--	369		acres--	12 752 127
	acres--	6 750	Female	farms--	7 758
50 to 99 acres	farms--	34		acres--	913 671
	acres--	2 279	Average age of operator	years--	53.2
100 to 199 acres	farms--	27			1.4
	acres--	3 572	<b>FARMS BY TYPE OF ORGANIZATION</b>		
200 to 499 acres	farms--	26	Individual or family (sole proprietorship)	farms--	76 712
	acres--	7 238		acres--	10 520 460
500 to 999 acres	farms--	18	Partnership	farms--	12 135
	acres--	(D)		acres--	2 589 048
1,000 acres or more	farms--	1	Corporation:		
	acres--	(D)	Family held	farms--	871
Harvested cropland irrigated	farms--	2 050		acres--	412 637
	acres--	25 300	More than 10 stockholders	farms--	19
Pasture and other land irrigated	farms--	97	10 or less stockholders	farms--	595
	acres--	2 347	Other than family held	farms--	193
Land under federal acreage reduction programs:				acres--	53 589
Diverted under annual commodity programs	farms--	4 328	More than 10 stockholders	farms--	16
	acres--	52 966	10 or less stockholders	farms--	177
Conservation Reserve or Wetlands Reserve	farms--	4 193	Other—cooperative, estate or trust, institutional, etc.	farms--	370
Programs	acres--	270 166		acres--	90 064
<b>VALUE OF LAND AND BUILDINGS<sup>1</sup></b>					
Estimated market value of land and buildings	farms--	90 280	<b>HIRE FARM LABOR</b>		
\$1,000--		14 775 218	Hired workers by days worked:		
Average per farm	dollars--	163 660	150 days or more	farms--	11 092
Average per acre	dollars--	1 077		workers--	18 128
<b>VALUE OF MACHINERY AND EQUIPMENT<sup>1</sup></b>					
Estimated market value of all machinery and			Less than 150 days	farms--	38 717
equipment	farms--	90 091		workers--	181 657
\$1,000--		2 244 930			
Average per farm	dollars--	24 918	<b>INJURIES AND DEATHS</b>		
<b>AGRICULTURAL CHEMICALS<sup>1</sup></b>			Farm-related injuries:		
Commercial fertilizer	farms--	75 683	Operator and family members	farms--	615
acres on which used--		3 668 562		number--	704
			Hired workers	farms--	532
				number--	901
			Farm-related deaths:		
			Operator and family members	farms--	26
				number--	26
			Hired workers	farms--	5
				number--	5

See footnotes at end of table.

## C-8 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table C. Reliability Estimates of State Totals for All Farms: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)			
<b>F FARMS BY SIZE</b>								
1 to 9 acres ----- farms .....	10 402	1.3	Cattle and calves inventory ----- farms .....	52 572	1.0			
acres .....	41 609	1.3	number .....	2 503 680	.8			
10 to 49 acres ----- farms .....	21 911	1.2	Beef cows ----- farms .....	42 898	1.0			
acres .....	598 279	1.2	number .....	1 088 532	.9			
50 to 69 acres ----- farms .....	8 634	1.2	Milk cows ----- farms .....	4 984	.8			
acres .....	501 528	1.2	number .....	186 089	.4			
70 to 99 acres ----- farms .....	10 303	1.1	Cattle and calves sold ----- farms .....	50 174	1.0			
acres .....	855 245	1.1	number .....	1 277 661	.7			
100 to 139 acres ----- farms .....	10 744	1.1	Hogs and pigs inventory ----- farms .....	\$1,000 .....	.7			
acres .....	1 244 014	1.1	number .....	551 530	.7			
140 to 179 acres ----- farms .....	6 834	1.1	Hogs and pigs sold ----- farms .....	4 879	1.0			
acres .....	1 072 292	1.1	number .....	782 408	.4			
180 to 219 acres ----- farms .....	4 952	1.1	Sheep and lambs of all ages inventory ----- farms .....	1 464 686	1.0			
acres .....	979 730	1.1	number .....	128 774	.4			
220 to 259 acres ----- farms .....	3 345	1.2	Sheep and lambs sold ----- farms .....	1 032	1.4			
acres .....	798 015	1.2	number .....	37 729	1.6			
260 to 499 acres ----- farms .....	8 289	1.0	Horses and ponies inventory ----- farms .....	817	1.4			
acres .....	2 894 531	1.0	number .....	29 763	1.6			
500 to 999 acres ----- farms .....	3 468	.7	Horses and ponies sold ----- farms .....	12 370	1.0			
acres .....	2 313 981	.6	number .....	78 083	.9			
acres .....			Horses and ponies sold ----- farms .....	2 565	1.1			
			number .....	13 264	.8			
<b>F FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>								
Cash grains (011) ----- farms .....	5 704	.8	POULTRY					
acres .....	2 481 077	.4	Chickens 3 months old or older inventory ----- farms .....	3 126	1.2			
Field crops, except cash grains (013) ----- farms .....	47 228	1.1	number .....	2 637 061	.3			
acres .....	5 340 320	.9	Hens and pullets of laying age ----- farms .....	3 061	1.2			
Vegetables and melons (016) ----- farms .....	332	2.1	number .....	2 374 849	.2			
acres .....	19 487	3.0	Broilers and other meat-type chickens sold ----- farms .....	110	2.1			
Fruits and tree nuts (017) ----- farms .....	316	2.2	number .....	27 623 677	.7			
acres .....	20 961	3.0						
Horticultural specialties (018) ----- farms .....	498	3.2	<b>CROPS HARVESTED</b>					
acres .....	27 031	1.4	Corn for grain or seed ----- farms .....	16 945	.9			
General farms, primarily crop (019) ----- farms .....	3 079	1.1	acres .....	1 166 234	.3			
acres .....	687 159	.9	bushels .....	145 213 536	.3			
Livestock, except dairy, poultry, and animal specialties (021) ----- farms .....	26 895	1.0	Corn for silage or green chop ----- farms .....	3 855	.7			
acres .....	3 817 273	.9	acres .....	105 077	.5			
Dairy farms (024) ----- farms .....	2 874	.8	Wheat for grain ----- farms .....	1 733 554	.4			
acres .....	746 630	.5	acres .....	3 881	.7			
Poultry and eggs (025) ----- farms .....	224	1.8	bushels .....	326 268	.3			
acres .....	30 788	1.0	Tobacco ----- farms .....	16 252 236	.2			
Animal specialties (027) ----- farms .....	2 127	1.2	acres .....	59 373	1.0			
acres .....	207 217	.9	pounds .....	268 140	.8			
General farms, primarily livestock and animal specialties (029) ----- farms .....	1 004	1.3	Soybeans for beans ----- farms .....	542 000 404	.8			
acres .....	287 855	1.0	acres .....	7 185	.7			
			Irish potatoes ----- farms .....	1 030 180	.3			
			acres .....	37 796 827	.3			
			bushels .....	833	1.6			
			acres .....	2 028	3.5			
			cwt .....	297 571	3.2			
			Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ----- farms .....	47 478	1.0			
			acres .....	1 837 802	.8			
			tons, dry .....	3 757 782	.8			
			Alfalfa hay ----- farms .....	12 408	.9			
			acres .....	298 922	.8			
			tons, dry .....	881 449	.8			
			Vegetables harvested for sale (see text) ----- farms .....	1 363	1.2			
			acres .....	6 818	1.1			
			Land in orchards ----- farms .....	982	1.4			
			acres .....	4 778	1.6			

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than \$1,000.

**Table D. Reliability Estimates of State Totals for Farms With Sales of \$10,000 or More:  
1992**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)			
<b>F FARMS AND LAND IN FARMS</b>								
Farms ----- number	40 526	1.0	Total farm production expenses ----- farms	40 377	1.0			
Land in farms ----- acres	10 035 597	.7	\$1,000-----	1 619 049	.5			
Average size of farm ----- acres	248	1.2	Average per farm ----- dollars	40 098	1.1			
<b>M MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>								
Total sales (see text) ----- farms	40 526	1.0	Livestock and poultry purchased ----- farms	14 275	1.8			
\$1,000-----	2 466 459	.5	\$1,000-----	221 100	1.2			
Average per farm ----- dollars	60 861	1.1	Feed for livestock and poultry ----- farms	24 566	1.3			
Farms by value of sales:			Commercial mixed formula feeds ----- farms	228 936	.8			
\$10,000 to \$19,999 ----- farms	15 965	1.1	\$1,000-----	10 305	2.1			
\$1,000-----	225 535	1.1	1,000-----	116 780	1.0			
\$20,000 to \$24,999 ----- farms	4 389	1.3	Seeds, bulbs, plants, and trees ----- farms	31 821	1.1			
\$1,000-----	97 613	1.3	\$1,000-----	55 334	.8			
\$25,000 to \$39,999 ----- farms	7 180	1.2	Commercial fertilizer ----- farms	38 142	1.0			
\$1,000-----	224 706	1.2	Agricultural chemicals ----- farms	156 322	.9			
\$40,000 to \$49,999 ----- farms	2 443	1.3	\$1,000-----	30 633	1.2			
\$1,000-----	108 550	1.3	Petroleum products ----- farms	67 059	1.0			
\$50,000 to \$99,999 ----- farms	5 519	1.1	\$1,000-----	39 842	1.0			
\$1,000-----	385 846	1.0	Electricity ----- farms	87 490	.8			
\$100,000 to \$249,999 ----- farms	3 474	1.0	\$1,000-----	30 338	1.2			
\$1,000-----	532 443	—	Hired farm labor ----- farms	24 348	1.3			
\$250,000 to \$499,999 ----- farms	1 094	—	\$1,000-----	189 706	.7			
\$1,000-----	371 507	—	Contract labor ----- farms	8 612	2.3			
\$500,000 or more ----- farms	462	—	\$1,000-----	31 084	2.2			
\$1,000-----	520 259	—	Repair and maintenance ----- farms	36 435	1.1			
Sales by commodity or commodity group:			\$1,000-----	118 269	.9			
Crops, including nursery and greenhouse crops ----- farms	36 715	1.0	Customwork, machine hire, and rental of machinery and equipment ----- farms	16 433	1.7			
\$1,000-----	1 325 148	.5	\$1,000-----	26 281	1.9			
Grains ----- farms	10 916	.8	Interest expense ----- farms	21 441	1.4			
\$1,000-----	503 867	.2	\$1,000-----	143 134	1.2			
Corn for grain ----- farms	8 645	.8	Secured by real estate ----- farms	16 014	1.7			
\$1,000-----	253 923	.3	\$1,000-----	106 570	1.5			
Wheat ----- farms	3 434	.7	Not secured by real estate ----- farms	11 104	2.0			
\$1,000-----	49 704	.2	\$1,000-----	36 565	1.6			
Soybeans ----- farms	6 095	.7						
\$1,000-----	191 666	.3						
Sorghum for grain ----- farms	161	2.0	<b>NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)<sup>1</sup></b>					
\$1,000-----	2 331	1.1	All farms ----- number	40 377	1.0			
Barley ----- farms	145	1.7	\$1,000-----	826 830	.8			
\$1,000-----	1 166	.5	Average per farm ----- dollars	20 478	1.3			
Oats ----- farms	50	4.1						
\$1,000-----	91	3.3	Farms with net gains <sup>2</sup> ----- number	35 437	1.1			
Other grains ----- farms	157	1.6	\$1,000-----	904 450	.7			
\$1,000-----	4 986	.7	Average net gain ----- dollars	25 523	1.3			
Cotton and cottonseed ----- farms	—	—	Farms with net losses ----- number	4 940	3.3			
\$1,000-----	—	—	\$1,000-----	77 620	2.1			
Tobacco ----- farms	32 277	1.0	Average net loss ----- dollars	15 713	3.9			
\$1,000-----	728 341	.8						
Hay, silage, and field seeds ----- farms	7 342	1.0	<b>GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME</b>					
\$1,000-----	40 243	1.0	Government payments ----- farms	8 177	.9			
Vegetables, sweet corn, and melons ----- farms	769	1.4	\$1,000-----	36 031	.5			
\$1,000-----	7 165	1.2	Other farm-related income <sup>1</sup> ----- farms	8 035	2.5			
Fruits, nuts, and berries ----- farms	223	2.1	\$1,000-----	50 313	3.2			
\$1,000-----	2 521	1.8	Customwork and other agricultural services ----- farms	3 263	4.0			
Nursery and greenhouse crops ----- farms	508	1.3	\$1,000-----	22 853	5.7			
\$1,000-----	40 579	.4	Gross cash rent or share payments ----- farms	3 222	4.1			
Other crops ----- farms	267	2.3	\$1,000-----	13 321	5.8			
\$1,000-----	2 430	3.0	Forest products and Christmas trees ----- farms	763	8.4			
Livestock, poultry, and their products ----- farms	29 757	1.0	\$1,000-----	4 545	9.8			
\$1,000-----	1 141 311	.4	Other farm-related income sources ----- farms	2 110	4.6			
Poultry and poultry products ----- farms	319	1.6	\$1,000-----	9 594	2.7			
\$1,000-----	72 986	.1						
Dairy products ----- farms	3 719	.8						
\$1,000-----	266 409	.4						
Cattle and calves ----- farms	28 247	1.0						
\$1,000-----	485 861	.6						
Hogs and pigs ----- farms	2 971	1.0						
\$1,000-----	125 865	.3						
Sheep, lambs, and wool ----- farms	437	1.7						
\$1,000-----	1 202	1.8						
Other livestock and livestock products (see text) ----- farms	1 394	1.1						
\$1,000-----	188 986	.1						
Value of agricultural products sold directly to individuals for human consumption (see text) ----- farms	790	1.4	<b>COMMODITY CREDIT CORPORATION LOANS</b>					
\$1,000-----	3 163	1.7	Total ----- farms	1 326	.9			
			\$1,000-----	28 547	.3			

See footnotes at end of table.

## C-10 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table D. Reliability Estimates of State Totals for Farms With Sales of \$10,000 or More:  
1992—Con.**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)	
<b>LAND IN FARMS ACCORDING TO USE</b>						
Total cropland	farms--	39 854	1.0	Individual or family (sole proprietorship) farms--	32 313	1.0
	acres--	7 040 009	.6	acres--	7 333 676	.8
Harvested cropland	farms--	38 939	1.0	Partnership--	7 273	1.0
	acres--	3 915 168	.5	acres--	2 207 953	.6
Cropland:				Corporation:		
Pasture or grazing only	farms--	26 754	1.0	Family held farms--	655	1.1
	acres--	2 522 004	.9	acres--	387 869	.5
Total woodland	farms--	24 937	1.0	More than 10 stockholders farms--	14	6.1
	acres--	1 865 358	.9	10 or less stockholders farms--	641	1.1
Pastureland and rangeland other than cropland and				Other than family held farms--	118	2.2
woodland pastured	farms--	7 738	1.0	acres--	40 742	1.6
	acres--	774 462	.6	More than 10 stockholders farms--	10	4.4
Land in house lots, ponds, roads, wasteland, etc.	farms--	25 708	1.0	10 or less stockholders farms--	108	2.4
	acres--	355 768	.8			
Irrigated land	farms--	1 301	1.1	Other—cooperative, estate or trust, institutional, etc. farms--	167	2.4
	acres--	24 610	.8	acres--	65 357	1.6
Harvested cropland irrigated	farms--	1 272	1.1			
	acres--	22 863	.8			
Pasture and other land irrigated	farms--	45	3.8			
	acres--	1 747	4.7			
Land under federal acreage reduction programs:				Hired workers by days worked:		
Diverted under annual commodity programs	farms--	3 947	.7	150 days or more farms--	7 216	2.2
	acres--	51 787	.3	workers--	14 112	1.6
Conservation Reserve or Wetlands Reserve	farms--	2 253	1.1	Less than 150 days farms--	23 188	1.4
Programs	acres--	161 140	1.0	workers--	134 133	1.9
<b>VALUE OF LAND AND BUILDINGS<sup>1</sup></b>						
Estimated market value of land and buildings	farms--	40 377	1.0	<b>INJURIES AND DEATHS</b>		
	\$1,000--	10 602 929	1.0	Farm-related injuries:		
Average per farm	dollars--	262 598	1.4	Operator and family members farms--	411	1.6
Average per acre	dollars--	1 053	1.3	number--	461	1.7
<b>VALUE OF MACHINERY AND EQUIPMENT<sup>1</sup></b>				Hired workers farms--	447	1.1
Estimated market value of all machinery and	farms--	40 361	1.0	number--	771	.9
equipment	\$1,000--	1 646 258	1.0			
Average per farm	dollars--	40 788	1.4	Farm-related deaths:		
				Operator and family members farms--	18	6.5
<b>AGRICULTURAL CHEMICALS<sup>1</sup></b>				number--	(D)	(D)
Commercial fertilizer	farms--	38 123	1.0	Hired workers farms--	5	13.3
acres on which used--		3 258 760	.9	number--	(D)	(D)
<b>TENURE OF OPERATOR</b>						
All operators	farms--	40 526	1.0	<b>FARMS BY SIZE</b>		
	acres--	10 035 597	.7	1 to 9 acres	2 287	1.3
Full owners	farms--	23 590	1.0	10 to 49 acres	4 493	1.2
	acres--	4 703 058	.9	50 to 69 acres	2 570	1.2
Part owners	farms--	12 674	.9	70 to 99 acres	4 168	1.2
	acres--	4 568 383	.5	100 to 139 acres	5 524	1.2
Tenants	farms--	4 262	1.1	140 to 179 acres	4 254	1.2
	acres--	764 156	.8	180 to 219 acres	3 348	1.2
<b>OWNED AND RENTED LAND</b>				220 to 259 acres	2 524	1.3
Land owned	farms--	36 326	1.0	260 to 499 acres	6 831	1.0
	acres--	7 245 262	.8	500 to 999 acres	3 169	.6
Owned land in farms	farms--	36 264	1.0	1,000 to 1,999 acres	1 035	—
	acres--	6 867 425	.8	2,000 acres or more	323	—
Land rented or leased from others	farms--	17 003	.9	<b>FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>		
	acres--	3 194 510	.5	Cash grains (011)	4 056	.8
Rented or leased land in farms	farms--	38 661	.8	Field crops, except cash grains (013)	20 616	1.1
	acres--	16 936	.9	Vegetables and melons (016)	74	4.0
Land rented or leased to others	farms--	5 326	1.1	Fruits and tree nuts (017)	33	4.4
	acres--	404 175	1.2	Horticultural specialties (018)	305	1.5
<b>OPERATOR CHARACTERISTICS</b>				General farms, primarily crop (019)	1 875	1.3
Operators by place of residence:				Livestock, except dairy, poultry, and animal specialties (021)	9 672	1.1
On farm operated		28 561	1.0	Dairy farms (024)	2 804	.8
Not on farm operated		8 697	1.0	Poultry and eggs (025)	120	1.4
Not reported		3 268	1.0	Animal specialties (027)	461	1.2
Operators by principal occupation:				General farms, primarily livestock and animal specialties (029)	510	1.4
Farming		24 806	.9	<b>LIVESTOCK</b>		
Other		15 720	1.1	Cattle and calves inventory farms--	28 072	1.0
Operators by days worked off farm:				number--	2 022 667	.8
Any		19 595	1.0	Beef cows farms--	22 633	1.1
200 days or more		12 473	1.1	number--	838 300	.9
Operators by sex:				Milk cows farms--	4 089	.8
Male		37 948	1.0	number--	184 114	.4
Female		2 578	1.1	Cattle and calves sold farms--	28 247	1.0
Average age of operator	years--	53.0	1.4	number--	1 092 869	.7
				Sheep and lambs inventory farms--	474	1.7
				number--	26 557	1.8
				Hogs and pigs inventory farms--	421	1.7
				number--	22 151	1.7
				Horses and ponies inventory farms--	4 828	1.0
				number--	41 152	.8
				Horses and ponies sold farms--	1 140	1.1
				number--	10 117	.8

See footnotes at end of table.

**Table D. Reliability Estimates of State Totals for Farms With Sales of \$10,000 or More:  
1992—Con.**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
<b>POULTRY</b>					
Chickens 3 months old or older inventory	farms--	975	Tobacco	farms--	32 283
number--	2 585 618	.3	acres--	2 243 826	.8
Hens and pullets of laying age	farms--	959	pounds--	470 997 357	.8
number--	2 333 730	.2	acres--	6 123	.7
Broilers and other meat-type chickens sold	farms--	88	Soybeans for beans	farms--	1 008 319
number--	27 602 959	.7	acres--	37 143 785	.3
<b>CROPS HARVESTED</b>					
Corn for grain or seed	farms--	13 059	Irish potatoes	farms--	357
acres--	1 128 500	.9	acres--	1 544	2.1
bushels--	142 011 037	.3	cwt--	251 925	3.7
Corn for silage or green chop	farms--	3 539	Hay—alfalfa, other tame, small grain, wild, grass	farms--	26 824
acres--	101 757	.7	acres--	1 438 417	1.0
tons, green--	1 690 036	.4	acres--	3 114 831	.8
Wheat for grain	farms--	3 597	Alfalfa hay	farms--	8 992
acres--	322 669	.7	acres--	258 149	.8
bushels--	16 120 482	.2	tons, dry--	783 979	.8
			Vegetables harvested for sale (see text)	farms--	769
				acres--	5 648
			Land in orchards	farms--	278
				acres--	2 277
					1.4
					1.1
					1.9
					1.5

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than \$1,000.

**Table E. Reliability Estimates of Percent Change in State Totals: 1987 to 1992**

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms			Farms with sales of \$10,000 or more	
	Percent change from 1987 to 1992	Standard error of estimate	Percent change from 1987 to 1992	Standard error of estimate	
Farms-----	-2.3	1.3	19.1	1.6	
Land in farms -----	-2.5	1.0	7.0	1.1	
Average size of farm -----	-.7	1.7	-10.1	1.5	
Estimated market value of land and buildings <sup>1</sup> :					
Average per farm -----	20.6	2.2	7.3	2.0	
Average per acre -----	20.2	2.1	19.0	2.2	
Estimated market value of all machinery and equipment <sup>1</sup> :					
Average per farm -----	9.9	2.0	.6	2.0	
Farms by size:					
1 to 9 acres -----	-2.3	1.7	46.3	2.7	
10 to 49 acres -----	5.8	1.7	81.4	2.9	
50 to 179 acres -----	-4.6	1.3	27.8	1.9	
180 to 499 acres -----	-7.4	1.3	.7	1.5	
500 to 999 acres -----	-4.1	1.1	-1.3	1.1	
1,000 to 1,999 acres -----	1.3	(L)	2.6	(L)	
2,000 acres or more -----	34.8	-	33.5	-	
Total cropland -----	-2.6	1.3	19.7	1.6	
farms -----	-.2	1.0	7.3	1.0	
acres -----	-4.2	1.2	19.6	1.6	
Harvested cropland -----	3.9	.9	10.4	.9	
Irrigated land -----	-43.2	.8	-47.9	.8	
farms -----	-26.7	.9	-22.2	1.0	
acres -----	-	-	-	-	
Market value of agricultural products sold -----	\$1,000 --	28.3	.9	32.6	.9
Average per farm -----	dollars --	31.4	2.0	11.3	1.7
Crops, including nursery and greenhouse crops -----	\$1,000 --	62.9	1.4	74.0	1.5
Livestock, poultry, and their products -----	\$1,000 --	2.4	.6	3.8	.6
Farms by value of sales:					
Less than \$2,500 -----	-26.7	1.1	(X)	(X)	
\$2,500 to \$4,999 -----	-10.2	1.5	(X)	(X)	
\$5,000 to \$9,999 -----	-2.8	1.5	(X)	(X)	
\$10,000 to \$24,999 -----	12.6	1.7	12.6	1.7	
\$25,000 to \$49,999 -----	22.1	2.2	22.1	2.2	
\$50,000 to \$99,999 -----	21.9	2.0	21.9	2.0	
\$100,000 to \$249,999 -----	30.3	(L)	30.3	(L)	
\$250,000 to \$499,999 -----	73.4	-	73.4	-	
\$500,000 or more -----	85.5	-	85.5	-	
Total farm production expenses <sup>1</sup> -----	\$1,000--	23.1	1.4	28.6	1.5
Average per farm -----	dollars --	26.0	1.9	8.1	1.7
Net cash return from agricultural sales for the farm unit (see text) <sup>1</sup> -----	farms--	-2.4	1.3	19.0	1.6
\$1,000--	41.0	1.8	39.7	1.7	
Average per farm -----	dollars --	44.4	2.6	17.4	2.1
Operators by principal occupation:					
Farming -----	-3.1	1.2	8.6	1.4	
Other -----	-1.8	1.4	40.5	2.1	
Operators by days worked off farm:					
Any -----	-6.2	4.8	20.9	6.2	
200 days or more -----	-3.7	4.9	32.4	6.8	
Livestock and poultry:					
Cattle and calves inventory -----	farms--	-2.0	1.2	12.3	1.5
number--	6.8	1.2	12.5	1.2	
Beef cows -----	farms--	3.6	1.3	23.7	1.7
number--	12.5	1.4	22.4	1.5	
Milk cows -----	farms--	-28.8	.9	-23.2	1.0
number--	-17.0	.7	-16.0	.7	
Cattle and calves sold -----	farms--	-3.9	1.2	10.1	1.5
number--	-2.1	1.0	4.0	1.1	
Hogs and pigs inventory -----	farms--	-40.8	.8	-36.0	.9
number--	-6.7	6	-4.0	.6	
Hogs and pigs sold -----	farms--	-42.8	.7	-37.2	.9
number--	-2.2	.7	.9	.7	
Sheep and lambs inventory -----	farms--	4.8	1.9	1.7	2.3
number--	3.3	2.4	4.6	2.9	
Chickens 3 months old or older inventory -----	farms--	-47.8	.8	-41.7	1.1
number--	25.4	.4	28.6	.4	
Broilers and other meat-type chickens sold -----	farms--	50.7	5.6	87.2	6.7
number--	1 155.0	21.1	1 154.8	21.1	
Selected crops harvested:					
Corn for grain or seed -----	farms--	-32.4	.8	-18.4	1.1
acres--	11.2	.7	17.4	.8	
bushels--	39.1	8	44.9	.8	
Corn for silage or green chop -----	farms--	-27.9	8	-26.1	.8
acres--	-22.0	.6	-21.2	.6	
tons, green--	-11.7	.7	-10.8	.7	
Wheat for grain -----	farms--	-27.6	.8	-21.6	.9
acres--	15.0	.7	18.1	.8	
bushels--	27.4	8	30.3	.8	
Tobacco -----	farms--	-4.2	1.3	23.5	1.7
acres--	52.4	1.7	77.6	2.1	
pounds--	61.1	1.8	82.5	2.1	
Soybeans for beans -----	farms--	-18.0	1.0	-5.8	1.1
acres--	.8	.7	4.1	.7	
bushels--	39.3	.8	42.8	.8	
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) -----	farms--	-7.6	1.2	10.6	1.5
acres--	2.3	1.2	11.7	1.3	
tons, dry--	14.2	1.3	22.4	1.4	

<sup>1</sup>Data are based on a sample of farms.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-13

**Table F. Reliability Estimates for the State and County Totals: 1992**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farms		Land in farms		Average size of farm		Average market value of land and buildings per farm <sup>1</sup>		Estimated market value of all machinery and equipment <sup>1</sup>	
	Total (number)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
<b>Kentucky -----</b>										
Adair -----	90 281	1.0	13 665 798	.7	151	1.2	163 660	1.4	2 244 930	.9
Allen -----	1 482	1.3	177 858	1.5	120	2.0	99 568	6.5	29 405	5.5
Anderson -----	1 186	1.4	156 590	1.6	132	2.2	95 634	6.8	21 357	5.9
Ballard -----	767	.9	90 033	1.3	117	1.5	156 241	5.6	14 350	6.4
Barren -----	464	.7	111 913	.7	241	1.0	219 545	4.0	20 802	4.8
Barren -----	2 201	1.5	248 634	1.6	113	2.2	118 731	4.7	51 851	3.5
Bath -----	864	.9	132 979	1.2	154	1.5	131 154	6.5	20 262	4.6
Bell -----	61	2.1	5 419	5.5	89	5.9	93 169	8.4	909	7.5
Boone -----	798	.8	80 864	1.2	101	1.4	264 635	6.3	19 145	5.3
Bourbon -----	1 026	.9	206 881	.8	202	1.2	367 445	3.4	38 341	4.6
Boyd -----	212	1.0	27 836	2.3	131	2.5	145 059	9.2	3 349	10.9
Boyle -----	742	.9	108 291	1.1	146	1.5	216 388	6.3	22 904	4.9
Bracken -----	703	.8	99 009	1.1	141	1.4	116 160	6.9	16 424	8.8
Breathitt -----	276	1.5	42 602	2.3	154	2.8	83 496	10.0	2 921	9.2
Breckinridge -----	1 473	.9	266 730	.9	181	1.3	136 543	4.4	35 715	5.2
Bullitt -----	599	.7	60 911	1.2	102	1.4	158 306	6.1	13 508	14.4
Butler -----	671	1.4	140 810	1.6	210	2.1	146 596	10.7	13 198	4.6
Caldwell -----	534	.9	128 807	1.0	241	1.3	168 751	6.4	14 662	5.5
Calloway -----	694	.9	137 337	.8	198	1.1	191 545	3.1	25 596	4.0
Campbell -----	533	.7	43 447	1.4	82	1.5	238 884	10.4	11 142	13.1
Carlisle -----	320	.7	78 966	.9	247	1.2	214 701	6.8	15 539	8.7
Carroll -----	365	.8	60 812	1.4	167	1.6	148 905	12.9	9 946	10.0
Carter -----	986	1.2	112 831	1.4	114	1.9	87 027	8.5	14 843	6.7
Casey -----	1 489	1.0	192 189	1.1	129	1.5	106 622	7.2	27 121	6.1
Christian -----	1 171	.9	299 321	.7	256	1.2	230 225	3.2	43 404	4.2
Clark -----	966	.9	144 904	.8	150	1.2	233 440	4.6	23 790	3.8
Clay -----	511	1.5	68 373	2.0	134	2.5	88 579	12.7	8 471	9.4
Clinton -----	747	1.4	75 409	1.5	101	2.1	89 553	9.6	13 711	12.6
Crittenden -----	509	.8	125 133	1.0	246	1.3	129 571	6.1	13 130	10.0
Cumberland -----	647	1.5	108 777	1.8	168	2.3	80 348	11.2	9 315	7.9
Daviess -----	1 264	.8	250 128	.5	198	1.0	302 795	2.4	50 366	2.9
Edmonson -----	734	1.0	92 487	1.4	126	1.7	95 178	5.8	11 896	4.9
Elliott -----	527	1.2	60 294	2.0	114	2.4	78 562	11.7	7 928	12.5
Estill -----	499	1.2	69 310	2.0	139	2.3	114 081	12.1	7 582	10.4
Fayette -----	836	.8	147 154	.8	176	1.1	567 674	3.4	31 150	4.3
Fleming -----	1 232	.9	193 859	1.0	157	1.3	131 646	7.0	30 592	4.1
Floyd -----	99	1.9	10 919	4.8	110	5.1	156 795	8.1	1 972	4.9
Franklin -----	739	.9	86 074	1.2	116	1.5	165 105	6.7	15 382	4.7
Fulton -----	164	.4	96 829	.3	590	.5	610 803	4.3	12 767	2.5
Gallatin -----	288	.9	41 352	1.6	144	1.8	180 790	12.7	7 798	15.0
Garrard -----	984	1.0	138 061	1.1	140	1.5	136 976	4.6	24 624	5.1
Grant -----	1 079	1.2	127 161	1.5	118	1.9	127 725	7.1	19 216	4.9
Graves -----	1 144	.8	210 275	.7	184	1.1	177 746	5.8	38 574	4.7
Grayson -----	1 511	1.1	206 090	1.0	136	1.5	107 749	5.3	33 087	5.9
Green -----	1 209	1.4	134 811	1.6	112	2.1	83 840	5.8	24 624	4.9
Greenup -----	849	1.1	100 468	1.5	118	1.9	96 002	8.5	13 588	9.7
Hancock -----	515	.9	69 711	1.2	135	1.5	108 473	5.2	12 677	8.2
Hardin -----	1 810	.9	226 206	.9	125	1.3	150 880	4.3	48 300	5.1
Harlan -----	29	1.8	4 854	2.2	167	2.9	114 414	7.9	856	8.8
Harrison -----	1 164	.7	178 217	.9	153	1.1	156 022	4.6	30 296	6.0
Hart -----	1 582	1.2	200 455	1.1	127	1.6	105 805	5.1	30 934	3.7
Henderson -----	598	.7	197 826	.5	331	.8	369 437	2.7	30 807	3.2
Henry -----	1 071	1.5	159 966	1.6	149	2.1	152 635	4.7	32 308	6.9
Hickman -----	255	.6	99 066	.6	388	.9	317 028	2.8	15 309	2.4
Hopkins -----	617	.9	144 828	.9	235	1.2	220 474	4.2	20 369	5.0
Jackson -----	789	1.4	80 692	2.1	102	2.5	82 994	9.1	13 107	6.3
Jefferson -----	564	.9	44 709	1.5	79	1.8	275 953	8.4	11 893	7.7
Jessamine -----	842	.9	98 545	1.2	117	1.5	247 521	5.2	17 424	5.3
Johnson -----	220	1.5	23 062	2.9	105	3.2	120 876	20.2	3 275	11.0
Kenton -----	507	.8	44 188	1.5	87	1.6	159 017	12.5	10 702	7.0
Knott -----	29	2.0	3 224	4.9	111	5.3	73 159	11.5	459	8.2
Knox -----	376	1.6	46 321	2.3	123	2.8	128 620	15.3	6 615	14.2
Larue -----	906	.8	120 959	.9	134	1.2	138 054	5.2	24 010	6.2
Laurel -----	1 252	1.1	99 527	1.3	79	1.7	106 258	8.5	23 253	8.8
Lawrence -----	342	1.1	48 509	1.8	142	2.1	88 965	13.2	4 194	7.2
Lee -----	189	1.5	20 803	2.6	110	3.0	59 036	29.1	2 322	9.3
Leslie -----	20	2.3	1 501	8.8	75	9.1	51 225	13.8	216	10.5
Letcher -----	30	1.9	3 383	6.5	113	6.8	97 736	13.2	451	7.5
Lewis -----	909	.8	159 710	1.1	176	1.4	112 024	6.5	17 001	5.4
Lincoln -----	1 444	1.0	173 892	1.0	120	1.4	140 894	8.6	31 840	4.2
Livingston -----	378	1.0	119 218	1.1	315	1.5	173 491	6.6	9 532	6.0
Logan -----	1 231	1.1	278 675	.8	226	1.4	217 972	4.4	45 240	3.5
Lyon -----	244	.8	49 509	1.4	203	1.6	156 297	11.8	7 109	7.6
McCracken -----	404	.7	62 766	1.0	155	1.3	165 082	8.2	12 560	9.3
McCreary -----	114	1.6	13 887	3.7	122	4.1	89 746	13.9	2 261	15.1
McLean -----	458	.8	135 179	.5	295	1.0	323 312	4.6	25 698	9.8
Madison -----	1 575	.8	247 266	.9	157	1.2	192 781	4.5	35 678	5.6
Magoffin -----	437	1.7	45 133	2.7	103	3.1	66 522	8.9	5 137	9.4
Marion -----	1 128	1.5	175 541	1.6	156	2.2	156 384	6.2	34 580	7.0
Marshall -----	568	.8	76 141	1.0	134	1.3	134 185	5.6	13 898	7.2
Martin -----	23	1.3	5 256	3.7	229	3.9	215 293	8.5	1 937	1.8
Mason -----	887	.8	144 254	1.1	163	1.4	182 154	6.7	25 820	4.2
Meade -----	880	1.1	119 533	1.4	136	1.8	137 835	6.4	19 911	5.8
Menifee -----	397	1.4	42 642	1.8	107	2.3	108 255	12.1	6 155	8.4
Mercer -----	1 085	.8	133 173	.9	123	1.2	156 675	3.8	29 649	4.2

See footnotes at end of table.

## C-14 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farms		Land in farms		Average size of farm		Average market value of land and buildings per farm <sup>1</sup>		Estimated market value of all machinery and equipment <sup>1</sup>											
	Total (number)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)										
Metcalfe -----	1 067	1.6	136 869	1.7	128	2.4	93 538	6.1	19 917	4.1										
Monroe -----	1 062	1.5	165 917	1.6	156	2.2	121 156	7.2	22 018	4.8										
Montgomery -----	772	1.1	113 383	1.2	147	1.6	147 390	8.6	16 946	4.7										
Morgan -----	786	1.6	105 068	1.8	134	2.4	81 867	6.6	15 572	6.8										
Muhlenberg -----	603	.9	117 868	.9	195	1.3	142 696	5.8	16 556	4.4										
Nelson -----	1 423	.9	191 002	.9	134	1.3	153 866	4.2	32 850	4.3										
Nicholas -----	657	.8	112 409	1.1	171	1.3	109 914	5.7	15 756	8.3										
Ohio -----	1 019	1.0	159 794	.9	157	1.4	119 473	4.7	22 109	2.9										
Oldham -----	468	.8	84 434	1.1	180	1.4	458 853	9.1	16 550	4.9										
Owen -----	948	1.1	176 828	1.2	187	1.6	153 427	4.6	24 275	4.8										
Owsley -----	328	1.7	35 712	2.8	109	3.3	81 919	10.0	5 397	12.7										
Pendleton -----	921	.6	127 403	.9	138	1.1	160 291	12.2	23 157	6.8										
Perry -----	43	2.1	4 469	7.7	104	7.9	87 717	11.9	806	12.2										
Pike -----	57	2.4	6 158	6.9	108	7.3	96 297	11.2	912	6.7										
Powell -----	288	1.3	33 155	2.4	115	2.7	116 692	8.4	4 374	11.0										
Pulaski -----	2 137	.9	218 145	1.0	102	1.3	128 081	5.6	44 115	5.1										
Robertson -----	315	.8	53 022	1.8	168	2.0	129 195	15.1	7 705	12.6										
Rockcastle -----	852	1.1	92 782	1.4	109	1.8	104 883	8.6	14 529	6.6										
Rowan -----	509	1.4	49 712	2.1	98	2.5	109 098	9.0	10 926	6.1										
Russell -----	1 041	1.1	91 365	1.3	88	1.7	107 195	8.2	16 633	4.9										
Scott -----	971	.7	154 082	.9	159	1.1	294 351	4.0	25 956	6.7										
Shelby -----	1 640	.8	229 838	.8	140	1.2	234 443	5.5	45 610	2.9										
Simpson -----	569	1.1	117 768	.9	207	1.4	205 663	9.8	19 849	4.1										
Spencer -----	648	.9	93 887	1.1	145	1.5	179 534	7.4	15 582	4.8										
Taylor -----	1 065	1.1	128 719	1.5	121	1.9	118 375	5.3	25 773	4.7										
Todd -----	653	.9	165 015	.8	253	1.2	228 207	4.3	26 066	2.4										
Trigg -----	425	1.1	111 866	1.1	263	1.6	182 952	7.8	11 381	5.3										
Trimble -----	603	.8	71 324	1.3	118	1.5	128 541	8.5	12 861	6.5										
Union -----	387	.7	196 701	.4	508	.8	643 624	7.4	29 629	1.6										
Warren -----	1 956	1.5	252 817	1.5	129	2.1	170 332	5.0	49 425	4.7										
Washington -----	1 137	.9	165 391	1.0	145	1.4	129 437	7.4	27 250	4.2										
Wayne -----	889	.8	135 850	1.1	153	1.3	106 057	6.2	16 738	4.3										
Webster -----	466	.7	140 432	.6	301	.9	250 565	4.0	22 590	6.3										
Whitley -----	369	1.0	44 548	2.0	121	2.3	115 005	13.9	5 033	7.9										
Wolfe -----	456	1.6	61 145	2.0	134	2.5	93 824	11.4	5 942	7.5										
Woodford -----	727	.7	123 655	.8	170	1.0	434 353	3.3	24 101	5.5										
Geographic area	Average market value of all machinery and equipment per farm <sup>1</sup>		Market value of agricultural products sold		Average market value of agricultural products sold per farm		Farm production expenses <sup>1</sup>													
	Value (dollars)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)										
<b>Total farm production expenses</b>																				
<b>Farms</b>																				
<b>Value</b>																				
Kentucky -----	<b>24 918</b>	<b>1.4</b>	<b>2 663 702</b>	<b>.5</b>	<b>29 505</b>	<b>1.1</b>	<b>90 280</b>	<b>1.0</b>	<b>1 828 743</b>	<b>.6</b>										
Adair -----	19 855	5.7	28 543	1.2	19 260	1.7	1 481	1.3	17 893	3.3										
Allen -----	18 008	6.1	24 523	1.1	20 677	1.8	1 186	1.4	18 042	3.5										
Anderson -----	18 685	6.5	13 659	1.1	17 808	1.4	768	1.0	9 799	5.7										
Ballard -----	44 832	4.8	29 418	.4	63 402	.8	464	.9	21 610	1.5										
Barren -----	23 569	3.8	57 365	1.2	26 063	1.9	2 200	1.5	39 494	2.6										
Bath -----	23 425	4.8	24 535	.9	28 397	1.3	865	1.1	15 009	4.4										
Bell -----	14 895	9.0	192	4.9	3 143	5.3	61	5.1	230	5.2										
Boone -----	23 992	5.4	13 983	1.1	17 522	1.3	798	1.0	9 320	5.6										
Bourbon -----	37 370	4.6	79 410	.4	77 398	1.0	1 026	.9	59 494	1.3										
Boyd -----	15 721	11.0	4 504	1.1	21 246	1.5	213	1.5	3 244	11.8										
Boyle -----	30 868	5.0	26 219	.7	35 335	1.2	742	1.0	20 388	3.3										
Bracken -----	23 362	8.9	17 557	1.0	24 975	1.3	703	1.0	9 660	5.2										
Breathitt -----	11 193	9.9	2 039	2.5	7 387	2.9	275	1.5	1 152	13.7										
Breckinridge -----	24 246	5.3	34 382	.7	23 341	1.2	1 473	1.0	22 545	2.8										
Bullitt -----	22 589	14.4	8 368	1.0	13 970	1.3	598	1.0	6 066	5.6										
Butler -----	19 669	4.8	13 995	1.3	20 857	1.9	671	1.5	11 681	4.4										
Caldwell -----	27 458	5.6	19 241	.7	36 032	1.2	534	1.2	14 393	3.4										
Calloway -----	37 203	4.2	33 411	.5	48 142	1.0	695	.9	23 486	2.8										
Campbell -----	20 904	13.2	4 721	1.9	8 857	2.0	533	.9	4 310	14.1										
Carlisle -----	48 561	8.8	17 960	.6	56 124	.9	320	1.0	14 116	5.7										
Carroll -----	27 248	10.1	8 744	1.2	23 956	1.4	365	1.0	4 629	10.3										
Carter -----	15 053	6.8	10 025	1.3	10 167	1.8	986	1.3	6 393	6.6										
Casey -----	18 202	6.2	25 418	.9	17 071	1.4	1 490	1.1	17 620	4.0										
Christian -----	37 098	4.3	59 532	.4	50 839	1.0	1 170	1.0	44 192	1.4										
Clark -----	24 859	4.1	32 445	.7	33 587	1.1	966	1.0	22 891	2.6										
Clay -----	16 610	9.5	5 426	2.2	10 619	2.6	510	1.4	3 089	6.9										
Clinton -----	18 355	12.7	9 709	1.4	12 998	2.0	747	1.8	6 965	7.5										
Crittenden -----	25 795	10.0	9 244	1.1	18 162	1.4	509	1.0	7 034	4.7										
Cumberland -----	14 397	8.1	7 775	1.6	12 016	2.2	647	1.8	4 423	11.7										
Daviess -----	39 846	3.0	66 957	.4	52 973	.9	1 264	.9	41 235	1.3										
Edmonson -----	16 230	5.0	12 910	1.2	17 589	1.5	733	1.1	9 875	5.4										
Elliott -----	15 044	12.6	4 404	2.2	8 356	2.5	527	1.4	2 570	7.5										
Estill -----	15 225	10.5	5 181	2.1	10 383	2.4	498	1.4	3 813	12.4										
Fayette -----	37 484	4.5	126 077	.2	150 809	.8	837	.9	93 356	.8										

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-15

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Average market value of all machinery and equipment per farm <sup>1</sup>		Market value of agricultural products sold		Average market value of agricultural products sold per farm		Farm production expenses <sup>1</sup>			
	Value (dollars)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Total farm production expenses			
							Farms		Value	
							Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Fleming -----	24 851	4.3	41 159	.7	33 409	1.1	1 231	1.0	27 025	4.0
Floyd -----	20 333	6.4	611	2.8	6 167	3.3	99	4.2	558	3.4
Franklin -----	20 956	4.8	16 563	1.0	22 413	1.3	739	1.0	10 075	4.7
Fulton -----	77 847	2.8	20 617	.2	125 715	.5	164	1.1	11 962	1.3
Gallatin -----	27 077	15.1	6 149	1.1	21 352	1.4	288	1.3	4 410	6.0
Garrard -----	25 025	5.2	30 731	.9	31 231	1.3	984	1.1	18 920	2.9
Grant -----	17 810	5.1	16 055	1.6	14 879	2.0	1 079	1.2	10 140	5.8
Graves -----	33 748	4.8	68 198	.4	59 614	.9	1 143	.8	52 542	1.8
Grayson -----	21 868	6.0	30 167	.8	19 965	1.3	1 513	1.1	21 870	2.9
Green -----	20 367	5.1	24 755	1.3	20 476	1.9	1 209	1.4	15 327	5.1
Greenup -----	16 005	9.7	8 724	1.4	10 275	1.8	849	1.2	6 993	10.2
Hancock -----	24 616	8.3	11 027	1.0	21 411	1.3	515	1.1	6 585	4.9
Hardin -----	26 759	5.2	39 384	.7	21 759	1.2	1 810	1.0	29 294	2.0
Harlan -----	29 517	10.5	208	5.8	7 179	6.0	29	5.7	133	5.3
Harrison -----	26 027	6.0	33 224	.8	28 543	1.0	1 164	.8	20 070	4.0
Hart -----	19 566	3.9	35 702	.9	22 568	1.5	1 581	1.3	21 962	2.8
Henderson -----	51 516	3.3	40 073	.4	67 012	.8	598	.8	29 933	2.7
Henry -----	30 166	7.0	34 748	1.2	32 445	1.9	1 071	1.5	21 640	3.0
Hickman -----	60 036	2.6	21 708	.4	85 131	.7	255	1.0	15 072	.9
Hopkins -----	32 906	5.1	20 147	.6	32 654	1.1	619	1.1	15 040	2.6
Jackson -----	16 612	6.5	10 495	1.9	13 301	2.4	789	1.6	6 702	5.9
Jefferson -----	21 050	7.7	13 232	.7	23 462	1.1	565	1.2	10 511	2.6
Jessamine -----	20 694	5.4	25 784	.8	30 622	1.2	842	1.0	16 896	4.9
Johnson -----	14 886	11.1	1 532	2.8	6 963	3.1	220	1.7	922	12.7
Kenton -----	21 108	7.1	5 548	1.4	10 943	1.6	507	1.0	4 954	5.2
Knott -----	15 826	10.8	143	8.6	4 932	8.9	29	7.0	121	8.2
Knox -----	17 592	14.4	2 977	2.0	7 918	2.5	376	1.9	2 617	13.6
Larue -----	26 501	6.2	23 862	.7	26 338	1.0	906	.9	16 671	5.0
Laurel -----	18 572	8.9	15 101	1.1	12 062	1.5	1 252	1.1	10 276	4.9
Lawrence -----	12 229	7.3	3 306	1.6	9 667	1.9	343	1.4	2 412	9.7
Lee -----	12 350	9.4	1 387	2.8	7 337	3.2	188	1.5	959	9.3
Leslie -----	10 800	13.2	67	6.9	3 374	7.2	20	8.0	44	14.2
Letcher -----	15 017	10.3	62	8.6	2 064	8.8	30	7.0	85	9.1
Lewis -----	18 703	5.5	15 150	1.0	16 667	1.3	909	1.0	8 117	4.6
Lincoln -----	22 050	4.4	38 933	.7	26 962	1.2	1 444	1.1	27 003	3.2
Livingston -----	25 217	6.1	10 714	1.0	28 344	1.4	378	1.2	8 550	4.2
Logan -----	36 751	3.8	61 197	.5	49 714	1.2	1 231	1.2	40 991	2.0
Lyon -----	29 137	7.6	6 091	1.3	24 961	1.5	244	1.1	4 277	5.5
McCracken -----	31 090	9.4	12 905	.7	31 942	1.0	404	1.0	8 981	3.5
McCreary -----	19 836	15.4	492	4.2	4 313	4.5	114	2.8	463	9.0
McLean -----	56 110	9.9	32 135	.4	70 163	.9	458	1.0	21 503	3.6
Madison -----	22 929	5.7	46 158	.7	29 307	1.1	1 574	.9	29 554	2.6
Magoffin -----	11 756	9.6	2 646	2.4	6 056	2.9	437	2.0	1 540	10.8
Marion -----	30 656	7.2	35 806	1.1	31 742	1.9	1 128	1.7	24 760	3.0
Marshall -----	24 468	7.3	14 411	.6	25 372	1.0	568	1.1	11 469	3.5
Martin -----	84 226	6.4	610	.8	26 506	1.5	23	6.2	1 236	1.0
Mason -----	29 543	4.4	31 727	.8	35 769	1.2	887	.9	17 984	2.9
Meade -----	23 536	6.2	17 861	1.2	20 297	1.6	880	1.2	12 329	4.1
Menifee -----	15 465	8.6	4 669	1.6	11 760	2.1	398	1.6	2 924	7.7
Mercer -----	27 327	4.3	35 662	.6	32 868	1.0	1 085	1.0	26 598	2.2
Metcalfe -----	18 667	4.4	24 165	1.4	22 647	2.1	1 067	1.7	15 544	3.3
Monroe -----	20 733	5.0	24 753	1.2	23 308	1.9	1 062	1.5	18 351	3.3
Montgomery -----	21 979	4.9	21 822	.9	28 267	1.4	772	1.2	12 455	4.8
Morgan -----	19 812	7.0	9 336	1.5	11 878	2.2	786	1.7	5 411	5.5
Muhlenberg -----	27 732	4.6	24 823	.5	41 165	1.0	603	1.0	19 083	1.6
Nelson -----	23 085	4.4	40 700	.6	28 601	1.1	1 423	1.0	28 229	3.1
Nicholas -----	23 982	8.4	18 096	1.0	27 543	1.2	657	1.0	10 090	3.6
Ohio -----	21 847	3.2	21 009	.7	20 617	1.2	1 019	1.2	14 248	2.2
Oldham -----	35 515	5.0	17 107	.8	36 554	1.1	466	1.0	13 925	4.0
Owen -----	25 580	5.0	21 588	1.1	22 772	1.6	949	1.4	12 507	3.7
Owsley -----	16 504	12.8	3 296	2.7	10 049	3.2	327	1.7	1 801	11.6
Pendleton -----	25 144	6.8	15 259	1.0	16 568	1.2	921	.8	9 100	6.2
Perry -----	18 744	13.6	338	4.5	7 865	4.9	43	6.0	266	6.7
Pike -----	16 004	8.6	254	8.6	4 450	8.9	57	5.4	223	9.0
Powell -----	15 188	11.1	2 819	2.5	9 789	2.8	288	1.3	1 771	12.2
Pulaski -----	20 711	5.1	37 178	.8	17 397	1.2	2 137	.9	28 473	4.6
Robertson -----	24 540	12.6	6 818	1.5	21 645	1.7	314	1.1	4 499	17.4
Rockcastle -----	17 053	6.7	10 838	1.3	12 721	1.7	852	1.1	6 827	6.5
Rowan -----	21 423	6.3	4 799	2.3	9 427	2.7	510	1.5	3 902	10.4
Russell -----	16 650	5.4	22 227	1.0	21 352	1.5	1 041	1.3	15 780	4.0
Scott -----	26 731	6.8	46 060	.5	47 435	.9	971	.9	25 683	2.4
Shelby -----	27 811	3.0	59 834	.5	36 484	1.0	1 640	.8	40 795	2.1
Simpson -----	34 822	4.3	28 457	.6	50 011	1.3	570	1.2	19 997	3.4
Spencer -----	24 271	5.0	21 995	.8	33 943	1.2	648	1.3	12 316	2.3
Taylor -----	24 200	4.9	27 273	1.0	25 608	1.5	1 065	1.2	18 727	2.7
Todd -----	39 918	2.6	47 529	.4	72 785	1.0	653	1.1	33 922	1.5
Trigg -----	27 227	5.7	18 637	.8	43 852	1.3	425	1.3	13 679	3.1
Trimble -----	21 328	6.6	11 166	1.1	18 517	1.3	603	.9	6 439	8.7
Union -----	76 561	1.7	50 030	.3	129 276	.7	387	.8	34 814	2.2
Warren -----	25 268	5.0	54 503	1.0	27 865	1.8	1 956	1.6	41 228	2.1

See footnotes at end of table.

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## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Average market value of all machinery and equipment per farm <sup>1</sup>		Market value of agricultural products sold		Average market value of agricultural products sold per farm		Farm production expenses <sup>1</sup>			
	Value (dollars)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Total farm production expenses			
							Farms		Value	
							Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Washington -----	23 966	4.3	32 261	.8	28 374	1.2	1 137	1.0	20 853	2.7
Wayne -----	18 828	4.4	23 018	.6	25 892	1.0	889	.9	17 819	2.2
Webster -----	48 476	6.4	24 442	.5	52 450	.8	466	.9	17 529	3.1
Whitley -----	13 640	8.0	2 810	2.4	7 614	2.6	369	1.1	2 190	6.9
Wolfe -----	13 031	7.6	4 318	2.0	9 469	2.6	456	1.4	2 410	9.6
Woodford -----	33 151	5.6	75 660	.3	104 071	.7	727	.8	46 843	1.2
Farm production expenses <sup>1</sup> —Con.										
Geographic area	Livestock and poultry purchased				Feed for livestock and poultry			Seeds, bulbs, plants, and trees		
	Farms		Value		Farms		Value		Farms	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
	Kentucky -----	24 318	1.5	240 512	1.1	44 752	1.2	.8	56 341	1.1
Adair -----	387	9.2	1 461	6.4	767	5.4	4 244	9.9	907	4.5
Allen -----	341	11.5	2 081	12.0	687	5.8	5 398	5.2	568	6.9
Anderson -----	232	13.3	1 520	14.2	449	6.9	1 506	8.7	381	8.2
Ballard -----	114	18.0	1 300	10.8	188	12.9	4 764	2.1	343	6.0
Barren -----	725	7.1	5 263	9.1	1 191	4.2	6 725	4.9	1 339	4.2
Bath -----	256	12.6	2 928	5.5	373	8.4	1 300	10.5	686	4.1
Bell -----	26	7.1	47	6.8	42	6.0	39	9.2	15	10.6
Boone -----	167	17.3	491	19.3	341	9.4	933	16.0	462	5.8
Bourbon -----	332	8.6	12 240	4.2	544	6.6	4 899	2.5	666	5.3
Boyd -----	80	20.0	720	15.3	127	12.4	475	12.8	79	21.6
Boyle -----	261	10.8	5 967	4.6	353	8.8	2 677	9.4	456	5.6
Bracken -----	186	14.0	483	16.5	366	8.8	1 238	13.9	453	5.1
Breathitt -----	39	38.9	37	50.4	49	33.8	19	39.8	209	8.6
Breckinridge -----	326	10.6	1 768	8.1	700	6.2	3 563	6.2	989	4.3
Bullitt -----	195	16.5	779	13.6	331	9.8	686	6.8	297	9.5
Butler -----	225	14.4	988	19.4	423	7.0	1 660	13.9	394	6.0
Caldwell -----	152	16.5	924	26.1	261	10.2	1 562	5.5	322	8.0
Calloway -----	116	19.1	1 216	4.9	260	11.6	4 076	3.0	465	5.6
Campbell -----	145	16.7	634	57.0	306	7.8	396	21.9	214	11.2
Carlisle -----	57	24.4	527	11.1	132	18.7	1 715	2.4	213	11.0
Carroll -----	85	21.7	206	30.2	147	16.2	331	18.1	256	8.0
Carter -----	176	14.9	614	21.1	307	11.4	740	6.7	717	4.9
Casey -----	302	12.5	1 848	21.0	683	6.5	3 535	6.6	988	4.5
Christian -----	296	9.6	3 134	3.7	564	6.2	2 997	4.6	769	4.5
Clark -----	392	9.4	5 236	4.8	609	5.5	1 974	5.3	529	6.0
Clay -----	41	24.8	93	24.5	87	20.7	180	43.3	410	4.7
Clinton -----	206	13.2	647	17.2	372	8.1	887	7.8	473	6.1
Crittenden -----	106	16.4	553	18.1	369	6.4	858	13.4	247	9.8
Cumberland -----	160	17.1	345	25.0	260	11.9	513	19.4	405	7.4
Daviess -----	223	13.4	768	13.3	468	8.1	2 486	7.1	860	4.1
Edmonson -----	215	13.5	723	13.4	402	7.3	2 442	7.1	398	6.1
Elliott -----	87	25.0	218	35.5	191	13.5	165	23.8	337	7.5
Estill -----	178	13.4	362	21.1	253	10.2	327	24.5	310	7.6
Fayette -----	258	11.5	33 326	1.5	439	7.7	7 214	3.4	430	8.4
Fleming -----	409	10.0	4 147	9.6	734	5.7	5 548	8.5	889	4.1
Floyd -----	33	6.6	50	8.7	52	5.6	33	7.2	45	5.4
Franklin -----	185	14.1	1 437	9.3	372	8.1	757	25.6	471	6.1
Fulton -----	45	25.9	224	22.1	50	24.8	326	12.1	102	12.4
Gallatin -----	48	30.3	96	22.9	118	16.2	336	18.5	196	8.5
Garrard -----	356	9.2	5 763	6.5	594	5.8	2 039	6.3	577	5.8
Grant -----	232	12.4	753	19.7	500	7.2	537	10.5	676	5.1
Graves -----	240	13.2	9 418	1.3	391	7.9	13 046	1.0	748	3.2
Grayson -----	390	8.8	2 022	7.5	779	5.0	4 987	6.8	906	4.8
Green -----	344	11.3	1 592	14.8	646	6.3	3 077	8.6	740	5.8
Greenup -----	172	17.5	455	15.6	308	12.4	900	32.3	562	6.6
Hancock -----	105	19.2	408	6.3	189	13.4	723	4.4	327	8.2
Hardin -----	513	8.5	2 043	9.5	997	4.9	4 817	4.7	1 055	4.0
Harlan -----	9	10.8	11	10.6	12	10.6	7	13.5	11	6.9
Harrison -----	331	11.6	3 353	5.6	656	6.0	1 502	9.6	771	4.6
Hart -----	374	10.0	2 084	12.6	726	6.2	4 141	8.8	1 138	3.6
Henderson -----	158	16.4	615	13.6	284	9.8	788	11.9	407	5.0
Henry -----	268	11.6	1 920	15.7	466	8.2	2 308	8.8	694	5.6
Hickman -----	72	16.0	1 192	4.6	106	10.3	2 313	.4	168	7.6
Hopkins -----	123	18.7	727	6.5	327	9.2	1 572	6.7	421	6.6
Jackson -----	130	20.7	470	37.7	273	13.0	557	9.8	563	5.4
Jefferson -----	117	14.5	420	26.5	288	8.6	711	7.0	186	12.1
Jessamine -----	271	11.7	2 970	17.9	434	7.9	1 316	16.1	448	7.6
Johnson -----	37	39.3	68	46.7	89	18.8	85	24.1	106	16.5
Kenton -----	164	15.7	421	18.3	269	10.1	596	19.3	269	9.9

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-17

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Livestock and poultry purchased				Feed for livestock and poultry				Seeds, bulbs, plants, and trees			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Knott -----	8	14.4	10	22.0	21	7.8	23	7.6	10	11.4	7	19.5
Knox -----	74	26.4	290	34.1	140	17.9	233	20.3	233	9.8	128	46.9
Larue -----	267	11.1	1 232	22.2	435	7.6	3 251	7.4	576	5.7	526	9.3
Laurel -----	274	10.9	1 178	16.6	530	7.0	1 031	15.9	737	5.2	216	10.9
Lawrence -----	52	30.2	307	37.5	125	16.5	600	10.3	200	9.4	23	21.2
Lee -----	39	40.6	61	59.3	55	31.7	60	53.0	130	12.7	35	18.6
Leslie -----	3	16.1	2	16.2	5	15.8	(D)	(D)	11	10.0	1	19.9
Letcher -----	10	11.1	15	12.1	19	8.4	17	10.8	12	10.6	1	11.0
Lewis -----	225	13.3	629	15.1	322	10.2	1 108	9.4	647	5.1	225	15.0
Lincoln -----	462	8.7	6 986	9.2	758	5.2	3 549	6.1	928	4.8	492	5.8
Livingston -----	118	13.9	794	13.3	231	8.8	1 731	10.4	150	16.4	271	4.4
Logan -----	372	11.0	2 400	7.1	625	6.2	3 521	5.3	736	5.1	2 013	3.3
Lyon -----	75	17.0	323	5.1	126	13.7	478	9.7	166	9.0	231	5.1
McCracken -----	67	23.2	494	12.6	155	13.2	1 306	3.5	234	8.5	417	10.7
McCreary -----	20	23.2	36	30.9	53	10.9	55	19.7	33	15.7	6	34.8
McLean -----	106	18.6	1 231	15.6	157	16.2	1 824	9.2	385	5.7	1 550	4.1
Madison -----	529	8.0	8 332	4.9	882	4.9	2 928	7.6	1 083	3.8	533	7.0
Magoffin -----	46	34.4	64	51.5	99	21.9	75	36.6	375	5.2	57	26.0
Marion -----	451	8.9	3 610	10.3	674	5.7	5 084	3.3	825	4.5	641	7.4
Marshall -----	166	12.8	1 402	14.0	332	7.5	3 626	1.2	218	8.8	392	3.5
Martin -----	9	9.3	194	2.7	14	7.7	(D)	(D)	9	10.2	3	13.6
Mason -----	202	12.1	1 301	16.8	458	7.0	2 548	5.4	659	4.3	511	7.1
Meade -----	279	11.9	1 144	8.8	537	6.6	1 365	5.3	509	6.1	614	8.5
Menifee -----	86	23.3	168	29.7	136	16.5	107	16.0	254	9.0	54	18.4
Mercer -----	461	7.6	6 277	7.3	720	4.2	3 928	7.7	593	5.6	513	6.8
Metcalfe -----	241	14.0	2 856	7.9	504	8.5	2 800	6.0	676	6.1	198	8.8
Monroe -----	363	10.8	2 407	16.6	615	6.9	4 200	4.4	607	6.6	294	7.2
Montgomery -----	211	12.8	1 866	20.5	411	7.3	1 231	10.0	469	6.0	221	6.8
Morgan -----	134	19.6	544	9.9	309	10.9	310	13.7	565	5.9	176	24.2
Muhlenberg -----	160	16.6	816	9.6	304	9.8	7 348	.9	366	7.2	897	4.4
Nelson -----	523	7.9	2 899	13.5	835	5.1	6 868	6.9	784	5.4	654	10.8
Nicholas -----	155	16.3	1 070	10.5	303	9.3	785	4.7	388	6.2	227	13.5
Ohio -----	195	15.6	1 130	6.7	526	7.5	901	11.2	633	5.6	806	5.2
Oldham -----	121	17.1	1 155	3.0	219	12.0	1 545	6.6	233	10.3	503	4.5
Owen -----	245	13.8	770	21.0	523	7.4	1 332	12.4	580	6.4	213	9.0
Owsley -----	28	51.1	95	77.4	28	45.4	180	75.5	231	9.2	28	22.1
Pendleton -----	199	15.1	408	19.1	457	8.8	801	10.6	558	6.5	201	10.8
Perry -----	5	18.5	5	20.0	16	9.7	32	17.7	20	8.4	9	6.8
Pike -----	17	9.6	11	12.6	29	7.1	33	12.3	27	7.3	21	15.3
Powell -----	19	52.4	45	25.5	101	20.9	86	22.5	171	12.6	49	39.5
Pulaski -----	702	7.3	5 693	20.9	1 188	4.1	4 270	5.5	1 234	4.0	506	7.3
Robertson -----	70	24.3	156	27.4	128	15.9	422	26.1	206	10.0	58	18.5
Rockcastle -----	209	14.1	460	25.2	445	6.9	990	9.8	551	6.0	176	23.0
Rowan -----	118	19.5	297	33.3	217	13.2	293	19.3	353	7.6	86	32.0
Russell -----	318	13.4	3 260	6.5	487	8.9	2 733	7.7	554	8.0	216	7.1
Scott -----	245	11.8	3 415	10.7	555	6.6	1 515	9.7	593	6.0	315	9.5
Shelby -----	471	8.4	3 327	10.2	845	5.4	6 485	3.8	1 092	3.9	1 144	4.1
Simpson -----	179	16.0	1 315	12.7	270	12.5	1 778	4.2	342	9.3	1 137	4.4
Spencer -----	182	16.4	603	11.2	310	10.3	2 005	2.7	444	5.3	305	3.5
Taylor -----	318	10.4	2 648	4.4	592	5.7	3 379	3.8	731	4.9	525	10.0
Todd -----	186	12.5	2 997	7.9	274	10.6	7 799	.9	483	5.8	1 287	2.0
Trigg -----	163	15.6	1 582	11.9	267	9.2	1 585	12.2	291	7.0	498	4.6
Trimble -----	133	19.0	201	28.0	264	10.9	390	29.8	400	6.2	255	10.6
Union -----	92	15.0	1 786	1.3	210	12.3	3 363	.9	301	4.2	2 921	4.3
Warren -----	636	8.2	7 632	2.9	1 192	4.6	5 659	6.5	1 095	4.7	1 131	5.5
Washington -----	341	11.0	1 952	10.8	707	5.6	2 920	5.7	743	5.2	513	7.0
Wayne -----	231	12.1	2 865	7.1	428	7.4	3 317	4.2	601	5.2	322	9.2
Webster -----	94	22.0	1 347	5.3	189	11.9	862	12.2	352	5.6	1 363	2.8
Whitley -----	82	22.8	366	28.6	196	10.6	189	23.7	148	13.4	34	43.9
Wolfe -----	55	27.2	107	38.5	76	29.0	60	33.2	301	8.7	38	18.8
Woodford -----	263	10.4	11 835	2.6	422	7.1	2 887	4.4	442	5.9	372	4.5
Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
<b>Kentucky -----</b>	<b>75 790</b>	<b>1.0</b>	<b>176 898</b>	<b>.9</b>	<b>51 846</b>	<b>1.1</b>	<b>70 835</b>	<b>1.0</b>	<b>86 796</b>	<b>1.0</b>	<b>105 188</b>	<b>.8</b>
Adair -----	1 361	2.1	2 322	5.9	685	6.2	368	10.4	1 453	1.5	1 042	5.0
Allen -----	950	3.4	1 390	11.2	640	6.1	184	12.0	1 121	2.2	627	8.7
Anderson -----	625	3.7	474	6.7	345	9.2	109	13.6	762	1.1	574	8.8
Ballard -----	402	4.4	2 213	3.6	328	6.9	1 669	1.8	463	.9	1 298	5.4
Barren -----	2 002	2.1	4 204	3.9	1 306	4.2	789	7.0	2 147	1.7	2 175	4.0
Bath -----	771	2.3	1 146	7.2	530	6.6	315	14.4	827	2.0	1 017	6.5
Bell -----	28	7.7	10	7.2	16	10.0	2	19.5	56	5.1	22	6.3
Boone -----	639	3.5	576	8.9	364	7.8	227	11.6	782	1.5	604	8.6
Bourbon -----	887	2.5	2 054	4.8	678	4.8	724	4.1	967	2.2	2 537	4.3

See footnotes at end of table.

## C-18 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Boyd -----	138	11.6	92	17.6	48	28.5	16	21.3	206	2.8	170	21.8
Boyle -----	628	3.7	1 086	16.6	374	8.4	265	4.9	713	2.2	850	6.7
Bracken -----	626	2.5	971	18.1	461	6.2	237	13.1	678	1.9	690	8.3
Breathitt -----	254	4.1	142	15.3	85	22.2	15	33.0	268	2.7	114	17.7
Breckinridge -----	1 338	2.0	3 108	4.9	908	5.2	883	6.5	1 408	1.7	1 486	5.1
Bullitt -----	419	6.1	467	12.9	265	11.2	162	14.4	567	2.4	477	6.8
Butler -----	522	4.0	1 840	9.4	364	6.5	574	9.2	648	2.4	810	4.5
Caldwell -----	392	6.6	1 778	5.0	290	8.0	884	2.2	500	2.9	826	5.3
Calloway -----	576	2.7	3 700	5.3	506	4.6	1 950	6.4	660	2.0	1 327	3.1
Campbell -----	361	6.6	352	16.7	200	11.4	122	30.3	514	1.6	359	11.5
Carlisle -----	239	9.1	2 123	5.9	208	11.2	1 577	24.0	320	1.0	860	2.8
Carroll -----	339	3.0	740	29.8	270	6.5	145	7.5	363	1.1	366	7.2
Carter -----	842	3.2	814	11.1	467	8.1	89	12.3	947	2.0	546	12.5
Casey -----	1 355	2.0	1 825	13.0	655	7.1	297	10.8	1 399	2.0	981	5.6
Christian -----	938	3.0	6 574	2.7	760	4.2	3 887	2.0	1 104	2.0	2 633	2.5
Clark -----	708	4.2	1 174	6.7	506	7.8	343	8.2	930	1.9	1 245	5.8
Clay -----	499	2.1	442	7.8	303	7.8	84	20.2	491	2.6	246	9.1
Clinton -----	664	3.1	851	10.1	387	7.8	121	21.1	699	3.0	527	7.4
Crittenden -----	325	7.3	863	9.2	184	11.7	336	12.0	490	2.1	617	10.5
Cumberland -----	526	4.9	582	20.3	318	11.5	123	29.9	599	2.4	340	12.4
Daviess -----	1 021	3.0	6 718	2.2	907	3.8	3 962	2.2	1 215	1.6	2 786	2.1
Edmonson -----	536	4.5	1 005	8.2	422	6.3	232	21.3	716	1.9	600	7.0
Elliott -----	484	3.2	343	11.0	254	9.9	52	22.7	494	3.1	232	9.4
Estill -----	440	3.2	334	13.4	247	10.0	91	18.0	484	2.2	352	13.4
Fayette -----	599	5.2	1 600	5.2	455	7.0	701	10.3	816	1.5	2 111	3.0
Fleming -----	1 142	2.2	2 192	10.9	798	4.8	392	6.4	1 175	1.8	1 466	4.2
Floyd -----	58	5.0	22	13.7	48	5.2	22	4.8	79	4.4	48	4.3
Franklin -----	600	3.1	719	7.0	429	6.4	193	10.3	700	2.2	638	7.0
Fulton -----	125	9.9	1 995	1.8	107	12.1	1 655	2.4	155	4.1	750	2.9
Gallatin -----	253	4.7	376	9.4	177	9.6	145	7.4	275	3.2	293	8.8
Garrard -----	827	3.2	1 133	5.2	626	5.4	263	7.3	958	1.6	1 022	5.0
Grant -----	883	2.9	837	7.7	623	5.4	222	9.5	1 040	1.7	695	6.3
Graves -----	860	3.1	5 333	4.8	770	3.9	2 490	4.2	1 094	1.7	2 573	3.5
Grayson -----	1 274	2.5	2 521	5.9	894	4.5	571	7.0	1 433	1.8	1 159	4.8
Green -----	1 107	2.3	1 497	5.7	770	5.6	252	8.8	1 201	1.5	1 006	5.1
Greenup -----	740	3.6	831	17.9	391	10.2	132	23.8	808	2.6	500	18.0
Hancock -----	474	3.1	891	3.5	341	8.4	314	6.6	500	1.8	506	9.2
Hardin -----	1 482	2.4	3 510	5.0	1 003	4.4	1 484	4.1	1 721	1.6	1 860	3.8
Harlan -----	18	6.7	8	8.8	10	8.2	5	4.1	25	6.0	11	10.3
Harrison -----	932	3.2	1 237	6.0	736	5.2	381	6.1	1 123	1.2	1 346	4.0
Hart -----	1 429	2.2	2 537	4.5	1 203	3.3	518	6.7	1 548	1.5	1 174	4.4
Henderson -----	427	4.9	4 922	5.3	370	6.0	3 814	5.5	574	2.3	1 834	3.8
Henry -----	956	2.6	1 702	4.5	887	3.3	673	6.8	1 052	1.8	1 257	5.6
Hickman -----	206	5.3	2 139	2.0	161	9.5	1 489	2.4	247	2.1	933	1.8
Hopkins -----	429	6.2	2 310	5.0	310	9.0	1 066	4.9	595	1.8	1 250	3.8
Jackson -----	741	2.4	735	7.8	417	8.3	149	18.2	776	1.9	471	8.7
Jefferson -----	308	8.1	291	9.3	179	12.4	108	7.4	480	3.9	716	4.9
Jessamine -----	689	4.1	916	7.3	526	6.1	246	8.8	803	2.4	885	7.0
Johnson -----	180	7.6	95	20.0	123	13.2	27	23.1	213	3.5	65	12.5
Kenton -----	377	6.0	249	10.4	262	10.8	93	11.5	488	2.3	366	10.5
Knott -----	17	8.7	5	10.0	12	10.5	1	10.3	22	7.9	18	11.8
Knox -----	360	3.2	531	29.8	179	13.3	68	26.0	348	4.2	233	16.6
Larue -----	809	2.9	2 088	8.7	643	5.1	640	7.5	885	1.4	1 051	7.1
Laurel -----	1 126	2.1	1 160	5.4	609	6.4	167	7.7	1 224	1.4	784	7.0
Lawrence -----	281	5.1	264	22.1	138	14.6	27	17.0	335	2.3	157	11.1
Lee -----	161	7.4	89	19.6	90	18.9	32	30.7	175	4.4	81	16.1
Leslie -----	18	8.4	5	10.6	9	10.2	1	12.8	19	8.2	3	15.0
Letcher -----	16	9.2	4	13.1	12	10.6	1	13.7	26	7.6	7	10.2
Lewis -----	872	1.5	958	5.8	475	7.4	309	7.6	874	1.8	679	6.4
Lincoln -----	1 270	2.3	1 875	5.4	729	5.6	559	5.2	1 394	1.8	1 380	5.1
Livingston -----	232	12.2	808	4.6	98	18.6	348	1.6	365	2.6	507	7.5
Logan -----	1 015	2.9	6 425	3.3	769	5.2	3 680	3.8	1 172	1.5	2 613	4.2
Lyon -----	192	7.7	582	6.4	127	12.2	219	9.7	244	1.1	309	9.7
McCracken -----	285	7.3	1 147	5.3	217	10.3	867	8.5	389	2.1	553	6.1
McCreary -----	57	9.6	27	15.5	20	22.3	5	25.8	106	3.7	66	15.5
McLean -----	416	4.4	3 524	4.5	391	5.3	1 828	6.9	437	2.5	1 662	3.4
Madison -----	1 313	2.7	1 660	4.2	1 080	4.1	456	5.9	1 528	1.4	1 620	4.4
Magoffin -----	429	2.6	275	14.5	223	10.7	42	21.7	395	4.2	145	13.7
Marion -----	1 021	2.7	2 120	6.0	770	5.1	566	6.7	1 100	2.0	1 480	4.9
Marshall -----	320	6.2	1 113	7.6	191	10.9	557	10.5	504	3.7	530	7.0
Martin -----	10	9.0	5	7.3	5	14.7	1	24.4	22	6.1	26	8.1
Mason -----	782	2.8	1 453	4.3	607	4.3	478	6.5	877	1.3	1 148	5.2
Meade -----	705	4.3	1 654	6.4	475	6.5	556	11.3	856	1.8	736	6.6
Menifee -----	372	2.6	341	10.5	213	10.9	58	15.4	383	3.0	296	10.5
Mercer -----	791	3.4	1 130	5.4	608	5.1	419	5.8	1 052	1.5	1 131	4.4
Metcalfe -----	923	2.9	1 748	8.1	643	5.9	229	8.5	1 037	1.8	782	8.2
Monroe -----	911	3.1	1 970	7.2	551	6.7	293	9.5	1 012	2.3	924	5.3
Montgomery -----	718	2.8	870	11.1	478	6.5	221	7.5	767	1.2	810	6.8
Morgan -----	734	3.1	762	17.1	412	8.5	103	12.6	742	2.7	411	9.1
Muhlenberg -----	515	3.8	1 642	6.3	338	8.7	710	3.4	582	1.9	999	6.0

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-19

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Nelson -----	1 054	3.6	1 805	6.2	781	5.0	577	8.1	1 353	1.6	1 532	4.0
Nicholas -----	531	4.1	743	10.4	384	6.8	184	6.7	627	2.2	802	6.2
Ohio -----	859	3.1	2 185	4.1	608	5.9	1 081	4.9	975	1.9	1 214	8.2
Oldham -----	293	7.7	831	10.9	244	9.5	485	22.2	456	1.8	946	9.7
Owen -----	789	3.3	1 036	6.9	555	6.1	282	9.1	909	2.0	1 003	6.5
Owsley -----	319	2.7	174	23.7	180	11.2	43	19.0	327	1.7	164	23.5
Pendleton -----	748	3.5	855	6.0	401	8.9	198	9.3	906	1.0	788	6.7
Perry -----	30	7.3	21	15.9	17	9.1	3	10.6	42	6.0	32	6.1
Pike -----	31	7.0	11	11.5	20	8.5	5	15.6	41	6.3	13	9.4
Powell -----	244	6.5	151	18.0	90	22.7	55	43.9	278	3.2	132	10.2
Pulaski -----	1 899	1.8	3 082	5.0	943	5.2	394	6.3	2 078	1.2	1 637	4.5
Robertson -----	301	2.7	439	12.3	205	9.6	137	37.0	306	2.4	383	14.8
Rockcastle -----	764	2.7	862	9.2	484	7.4	147	10.7	845	1.2	628	8.8
Rowan -----	449	4.4	492	27.1	252	10.2	104	30.8	490	3.0	326	10.1
Russell -----	921	3.7	1 385	7.0	484	8.4	231	7.4	983	2.3	751	6.5
Scott -----	797	2.6	1 345	4.3	659	4.6	509	7.6	931	1.6	1 403	5.8
Shelby -----	1 372	2.2	2 997	5.9	1 122	3.3	1 322	5.3	1 574	1.5	2 004	3.6
Simpson -----	491	4.4	3 384	10.8	430	7.1	1 799	9.9	534	2.5	1 188	4.1
Spencer -----	557	2.6	978	4.8	387	7.7	414	4.2	629	1.9	755	5.7
Taylor -----	960	2.6	2 181	5.1	637	5.5	469	11.3	1 040	1.7	1 093	5.2
Todd -----	597	3.1	3 950	2.2	481	5.1	2 308	3.6	644	1.6	1 693	3.1
Trigg -----	377	4.1	1 750	7.8	279	6.8	919	4.5	392	3.8	868	6.9
Trimble -----	555	2.2	550	9.3	422	5.7	257	20.7	594	1.1	531	9.5
Union -----	338	3.5	4 532	2.5	294	6.8	2 753	3.6	380	1.8	2 403	1.2
Warren -----	1 546	3.2	4 676	8.4	1 106	4.4	1 411	6.9	1 837	2.0	2 325	3.4
Washington -----	966	2.8	1 484	5.3	696	5.3	391	6.4	1 098	1.4	1 346	4.0
Wayne -----	765	3.0	1 213	6.6	562	6.0	340	12.1	882	1.1	877	5.7
Webster -----	344	6.2	3 017	2.6	319	7.1	1 727	2.6	452	1.8	1 419	5.1
Whitley -----	235	7.3	197	13.2	90	18.8	26	33.5	328	4.2	164	16.3
Wolfe -----	441	2.5	291	12.2	222	12.2	56	18.4	439	2.9	219	9.5
Woodford -----	595	3.3	1 132	4.4	483	5.8	533	4.4	684	2.3	1 141	3.7
Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Electricity				Hired farm labor				Contract labor			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Kentucky -----	51 552	1.1	28 787	1.0	39 979	1.3	202 545	.7	12 440	2.1	34 570	2.1
Adair -----	766	5.7	339	6.2	588	7.4	1 165	5.8	163	16.0	357	8.6
Allen -----	547	7.9	314	6.1	329	11.0	2 151	6.6	111	22.8	204	16.4
Anderson -----	420	8.2	115	8.9	337	9.7	887	12.0	81	19.0	69	22.6
Ballard -----	301	8.0	336	5.6	197	12.1	1 699	3.9	68	24.3	197	25.7
Barren -----	1 325	4.2	679	4.1	1 027	5.7	4 248	6.6	311	12.6	925	9.3
Bath -----	510	6.8	212	6.9	506	7.1	1 433	11.7	100	24.1	469	28.2
Bell -----	19	8.3	2	9.1	11	9.4	7	7.6	6	13.7	4	14.0
Boone -----	476	6.4	198	11.5	281	9.4	1 284	10.3	40	40.4	108	29.6
Bourbon -----	772	3.7	698	3.7	596	5.7	13 115	2.8	275	11.2	1 351	14.3
Boyd -----	83	19.6	75	7.5	83	17.7	609	9.8	44	30.2	85	6.0
Boyle -----	481	6.9	236	12.4	327	8.8	1 638	5.7	76	19.5	272	11.2
Bracken -----	498	5.4	182	7.3	324	8.7	1 602	12.0	99	23.9	206	21.4
Breathitt -----	38	34.3	5	43.8	124	15.7	201	28.6	50	25.3	97	50.6
Breckinridge -----	817	5.7	334	6.3	725	6.2	2 152	6.4	120	20.4	336	28.9
Bullitt -----	264	11.6	96	14.2	204	14.1	610	5.5	62	28.4	165	68.0
Butler -----	329	9.6	152	8.7	274	10.8	703	5.0	64	33.1	135	37.5
Caldwell -----	316	8.6	290	19.7	226	12.8	1 549	5.1	45	30.2	218	9.9
Calloway -----	442	6.9	355	5.3	419	7.4	1 679	4.6	53	30.4	231	14.0
Campbell -----	275	8.2	102	14.5	108	19.1	246	5.9	2	—	(D)	(D)
Carlisle -----	202	10.3	279	4.8	136	15.4	1 100	12.6	60	31.6	136	32.9
Carroll -----	257	7.7	83	10.0	186	12.2	478	7.6	64	22.5	87	9.1
Carter -----	524	6.6	94	9.0	464	7.9	616	11.5	103	22.2	208	27.6
Casey -----	570	7.1	284	6.9	683	6.7	1 446	7.8	205	17.0	272	15.4
Christian -----	803	4.6	624	4.1	511	7.3	4 068	3.2	207	12.7	817	7.8
Clark -----	558	6.1	221	8.1	444	7.6	3 048	5.8	210	12.8	1 007	12.7
Clay -----	145	14.8	45	21.4	287	6.9	412	12.1	42	34.0	72	47.1
Clinton -----	327	8.3	122	13.1	325	9.9	508	14.5	104	21.3	460	35.6
Crittenden -----	265	9.7	133	16.0	116	16.9	349	6.2	51	25.9	61	20.1
Cumberland -----	302	11.5	78	24.1	207	16.0	279	16.7	60	36.8	102	44.2
Daviess -----	791	4.9	513	5.3	568	7.3	4 783	3.1	161	15.7	423	8.8
Edmonson -----	458	6.6	225	8.2	291	10.3	711	11.8	90	22.2	69	24.8
Elliott -----	223	13.2	35	23.3	265	10.3	326	24.0	77	25.8	77	35.4
Estill -----	205	12.4	53	20.4	226	10.1	316	15.2	92	21.6	173	29.5
Fayette -----	553	6.2	877	4.0	429	7.7	21 090	1.2	274	10.1	1 819	7.4
Fleming -----	813	4.6	540	6.1	667	6.5	2 053	7.9	230	12.0	594	7.4
Floyd -----	32	6.7	30	1.6	23	7.6	118	1.0	4	18.0	1	18.9
Franklin -----	470	6.4	113	8.2	363	7.9	1 393	10.4	98	20.0	547	18.2
Fulton -----	103	12.0	100	4.3	77	15.1	1 039	3.3	26	34.6	62	8.1
Gallatin -----	208	7.8	62	11.3	159	11.2	596	11.2	48	31.5	69	44.7

See footnotes at end of table.

## C-20 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Electricity				Hired farm labor				Contract labor			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Garrard -----	626	5.5	229	11.3	428	8.4	1 353	7.9	218	13.5	678	12.6
Grant -----	716	4.9	209	8.3	457	7.8	829	10.9	128	19.2	268	35.4
Graves -----	820	3.6	868	3.5	455	8.5	3 611	5.3	101	23.3	363	6.9
Grayson -----	804	5.7	352	4.0	605	7.0	1 547	9.6	113	19.0	165	13.2
Green -----	764	5.2	322	6.3	543	8.2	902	13.7	143	18.4	233	13.1
Greenup -----	457	8.6	107	14.6	263	13.6	793	17.4	101	25.4	296	28.2
Hancock -----	302	8.8	126	12.9	237	11.4	595	18.7	43	38.6	90	17.0
Hardin -----	1 052	4.5	609	4.9	780	6.3	1 745	5.0	154	18.8	362	38.4
Harlan -----	13	7.2	4	8.6	11	9.9	8	8.2	7	9.4	7	4.4
Harrison -----	799	4.8	285	8.4	653	5.9	2 195	8.9	310	11.4	868	19.4
Hart -----	772	6.0	385	10.8	823	6.4	1 964	7.6	200	16.6	521	19.2
Henderson -----	339	8.1	302	4.8	189	11.2	2 568	4.2	114	19.9	156	16.1
Henry -----	710	5.2	500	16.1	562	7.1	3 200	5.0	129	17.1	467	17.4
Hickman -----	135	10.7	192	2.3	94	13.3	1 119	1.7	42	24.7	74	5.0
Hopkins -----	370	7.0	211	5.4	183	17.2	1 128	4.8	44	26.6	124	23.9
Jackson -----	415	8.2	106	17.0	348	10.2	1 004	10.8	97	23.0	144	41.6
Jefferson -----	372	6.9	243	4.4	168	13.6	2 480	1.4	86	21.6	348	5.9
Jessamine -----	526	6.2	268	14.3	374	9.3	3 153	4.8	192	15.2	737	14.8
Johnson -----	79	22.0	15	34.8	63	26.1	87	39.5	23	50.3	17	51.7
Kenton -----	334	8.4	126	17.9	227	13.7	595	14.3	46	36.0	86	36.3
Knott -----	13	9.5	2	15.3	6	14.7	1	16.5	3	19.9	1	10.4
Knox -----	61	29.4	35	40.6	162	15.2	197	16.2	27	48.2	75	57.7
Larue -----	528	6.6	323	7.3	349	9.9	1 206	5.8	83	26.9	175	17.2
Laurel -----	394	9.7	145	14.1	364	10.0	763	12.1	249	11.3	445	14.6
Lawrence -----	120	17.1	31	16.6	126	16.9	182	31.8	58	28.9	23	22.8
Lee -----	52	32.0	10	30.6	90	17.6	141	31.8	7	72.5	(D)	(D)
Leslie -----	4	19.8	(Z)	22.3	7	13.0	(D)	(D)	2	27.6	(D)	(D)
Letcher -----	10	11.1	1	18.2	10	11.1	3	19.0	4	18.0	2	18.0
Lewis -----	516	6.7	187	11.8	539	6.3	891	9.0	85	26.5	107	20.4
Lincoln -----	832	4.7	386	7.3	627	7.2	2 275	5.0	248	14.1	724	11.7
Livingston -----	269	9.0	149	8.2	100	19.4	592	3.5	39	39.4	89	40.5
Logan -----	723	5.1	619	3.1	464	7.6	3 791	4.9	154	19.6	460	17.6
Lyon -----	112	16.2	65	7.5	69	21.7	327	7.4	14	51.0	108	2.4
McCracken -----	218	9.0	141	6.7	175	10.1	878	4.0	37	27.3	119	3.7
McCreary -----	31	17.6	7	30.8	38	14.8	16	25.9	9	41.6	8	64.5
McLean -----	330	7.3	295	3.7	185	11.4	1 502	1.1	41	23.4	128	8.0
Madison -----	910	4.8	286	7.5	739	6.0	3 066	7.6	246	11.8	715	11.0
Magoffin -----	164	13.3	15	20.5	230	8.6	217	19.2	29	41.0	23	70.7
Marion -----	753	4.8	396	5.0	654	5.9	1 943	4.9	141	18.8	251	17.7
Marshall -----	307	7.5	169	9.3	158	13.2	450	10.8	44	31.8	65	16.6
Martin -----	11	6.9	11	1.2	9	7.3	(D)	(D)	4	16.9	15	23.1
Mason -----	680	4.1	348	4.7	551	5.4	2 029	5.8	264	10.1	513	9.7
Meade -----	532	6.1	254	7.1	440	8.8	881	8.1	57	30.4	77	13.1
Menifee -----	223	10.5	41	21.0	232	9.5	363	12.8	30	42.3	102	55.8
Mercer -----	661	5.5	431	6.2	550	7.0	2 979	5.7	178	14.8	742	15.2
Metcalfe -----	539	7.5	330	10.5	453	9.3	1 215	13.9	109	20.9	179	15.0
Monroe -----	634	6.3	372	5.5	477	8.8	1 724	5.5	118	22.8	137	10.5
Montgomery -----	455	6.9	132	7.9	415	7.5	1 360	9.1	189	13.1	543	10.5
Morgan -----	397	8.9	147	34.5	372	9.1	561	13.1	171	17.3	190	22.5
Muhlenberg -----	334	7.8	280	5.1	169	14.2	1 851	1.2	64	26.2	83	24.6
Nelson -----	822	4.8	635	7.8	537	7.7	2 145	5.1	112	18.3	322	24.3
Nicholas -----	428	6.5	140	7.6	345	7.0	1 726	3.9	126	17.1	213	11.6
Ohio -----	500	7.9	226	8.3	358	9.5	968	8.9	54	33.4	113	39.2
Oldham -----	340	6.4	301	11.7	203	11.7	2 359	3.2	86	21.7	183	19.4
Owen -----	702	3.8	190	5.7	442	8.5	1 678	7.8	118	19.8	214	16.2
Owsley -----	88	24.4	23	54.9	139	14.9	301	30.1	16	53.1	3	52.9
Pendleton -----	562	5.7	196	20.0	401	8.5	605	12.3	109	22.2	448	42.9
Perry -----	18	7.8	5	7.5	25	7.4	53	5.9	2	23.2	(D)	(D)
Pike -----	15	8.8	5	11.0	13	9.9	31	19.6	—	—	—	—
Powell -----	93	19.9	15	22.8	171	11.5	324	33.8	45	36.9	62	45.6
Pulaski -----	1 221	4.4	485	5.8	735	6.5	1 436	6.5	242	13.0	385	15.4
Robertson -----	233	6.5	96	23.6	206	9.3	572	25.9	72	24.1	109	21.3
Rockcastle -----	428	8.2	116	11.0	358	9.4	644	14.2	107	23.0	170	30.0
Rowan -----	243	10.4	65	14.5	204	12.6	262	20.6	61	29.4	24	34.0
Russell -----	492	9.1	246	10.5	457	9.2	1 074	11.5	230	16.5	431	18.3
Scott -----	694	4.3	360	6.2	570	5.5	5 336	4.3	228	12.7	1 199	7.7
Shelby -----	1 030	4.1	789	3.7	751	6.0	5 035	3.4	333	10.1	1 172	9.9
Simpson -----	298	10.4	292	7.6	219	13.9	1 339	2.2	66	28.1	246	5.4
Spencer -----	307	9.5	243	10.3	275	11.0	1 526	3.9	92	19.5	444	7.4
Taylor -----	633	5.7	287	5.0	482	7.3	1 416	7.1	183	15.8	486	18.3
Todd -----	382	7.5	535	3.4	295	9.6	3 287	2.3	147	16.2	419	16.0
Trigg -----	254	9.6	161	6.8	189	10.6	1 397	5.2	51	26.8	182	39.6
Trimble -----	347	7.3	122	11.4	226	12.6	610	16.0	67	27.3	164	28.2
Union -----	255	9.6	615	2.0	153	11.3	2 616	.6	46	24.6	167	23.9
Warren -----	1 225	4.4	955	4.8	914	5.8	3 084	5.4	258	14.3	481	14.2
Washington -----	779	4.1	396	5.1	553	6.6	2 435	5.9	173	16.7	444	15.0
Wayne -----	448	7.9	270	5.3	446	8.5	3 563	2.6	96	18.8	200	32.9
Webster -----	266	8.7	225	6.8	206	11.7	1 261	11.5	42	30.8	154	36.8
Whitley -----	110	15.8	30	22.1	74	21.2	126	38.1	34	37.4	52	69.2
Wolfe -----	190	12.8	40	22.0	253	9.5	376	17.9	81	27.7	160	45.7
Woodford -----	443	6.5	421	3.8	443	6.9	10 859	1.5	192	11.9	1 325	8.0

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-21

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Repair and maintenance				Customwork, machine hire, and rental of machinery and equipment				Interest expense			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
<b>Kentucky -----</b>	<b>70 952</b>	<b>1.0</b>	<b>146 058</b>	<b>.9</b>	<b>26 121</b>	<b>1.5</b>	<b>30 414</b>	<b>1.7</b>	<b>36 030</b>	<b>1.3</b>	<b>173 887</b>	<b>1.2</b>
Adair -----	1 133	3.5	1 564	6.0	461	9.4	381	9.8	483	9.0	1 180	9.1
Allen -----	840	4.7	1 168	9.9	316	12.4	161	17.1	468	9.6	1 277	12.7
Anderson -----	639	3.9	975	9.2	182	15.8	165	19.4	402	8.3	1 565	15.3
Ballard -----	361	4.9	1 583	3.6	166	12.7	448	11.9	292	8.7	1 915	6.9
Barren -----	1 798	2.8	3 372	4.8	780	7.1	638	12.3	955	6.2	3 526	5.2
Bath -----	735	3.4	1 204	6.2	314	10.7	330	15.3	361	9.8	2 107	11.9
Bell -----	35	5.8	31	5.6	9	10.9	5	15.9	9	11.9	10	13.7
Boone -----	649	3.5	984	5.8	127	17.2	140	11.9	297	9.6	1 237	16.3
Bourbon -----	856	3.2	3 180	4.3	364	8.4	820	17.4	449	7.6	5 048	6.4
Boyd -----	148	9.9	193	32.8	33	36.3	19	50.6	56	27.0	132	28.5
Boyle -----	602	4.2	1 488	7.5	239	13.3	293	16.7	385	8.6	2 202	5.7
Bracken -----	565	4.7	878	7.8	226	10.9	173	12.1	323	10.5	1 019	13.1
Breathitt -----	173	12.1	80	29.3	69	24.6	86	35.7	34	42.4	82	52.8
Breckinridge -----	1 102	3.8	1 830	5.7	420	9.4	359	12.1	660	7.3	2 434	7.8
Bullitt -----	484	5.0	695	10.1	113	23.4	74	27.0	129	16.5	551	17.9
Butler -----	497	6.0	868	9.8	186	15.9	238	23.9	342	9.7	1 522	10.4
Caldwell -----	439	4.6	1 070	4.4	190	14.1	448	18.4	221	12.1	1 433	6.0
Calloway -----	571	4.3	1 958	10.2	230	12.5	337	12.0	340	9.4	1 830	5.7
Campbell -----	444	4.5	693	26.6	60	25.7	(D)	(D)	147	16.2	376	23.4
Carlisle -----	233	8.8	1 033	13.0	120	18.1	485	17.9	128	16.8	1 108	12.7
Carroll -----	288	6.1	521	10.9	151	14.8	85	21.3	118	15.2	473	16.6
Carter -----	697	5.1	609	12.5	163	16.1	100	24.9	328	10.4	677	17.4
Casey -----	1 002	4.7	1 651	7.6	298	12.2	213	10.2	616	7.3	1 961	9.0
Christian -----	940	3.4	3 590	3.9	478	7.3	894	8.2	478	7.1	3 507	3.1
Clark -----	782	4.1	1 874	7.4	283	12.1	350	22.7	409	8.8	1 978	9.2
Clay -----	410	5.4	381	12.7	81	27.4	19	33.7	180	14.2	357	17.4
Clinton -----	581	4.6	661	9.7	208	13.4	104	20.0	313	9.6	809	17.1
Crittenden -----	430	4.3	874	7.8	177	12.5	242	20.2	225	10.8	648	11.4
Cumberland -----	442	7.7	608	20.1	142	22.7	61	24.0	227	14.4	554	18.7
Daviess -----	1 060	3.1	3 562	3.0	326	9.3	614	6.0	512	7.2	3 944	5.0
Edmonson -----	615	3.8	771	6.4	261	11.0	189	19.5	341	8.4	1 224	12.3
Elliott -----	341	7.8	278	16.6	47	33.9	34	46.4	92	22.6	111	31.0
Estill -----	367	6.5	415	22.0	159	16.1	110	24.3	115	16.6	423	29.3
Fayette -----	672	4.5	4 254	3.2	232	12.6	386	8.7	332	8.9	3 775	4.0
Fleming -----	970	3.5	2 066	5.2	486	8.4	718	16.2	623	6.6	2 810	9.6
Floyd -----	55	4.9	52	8.0	19	8.4	6	10.4	10	9.8	17	13.5
Franklin -----	641	2.7	983	7.2	206	12.3	198	17.6	305	9.3	939	14.3
Fulton -----	130	9.0	929	3.4	61	19.0	236	5.1	79	14.4	1 151	3.4
Gallatin -----	256	5.0	414	9.3	61	24.7	61	12.6	163	12.1	973	14.8
Garrard -----	746	4.4	1 364	7.4	245	12.2	168	15.1	425	8.7	1 795	9.0
Grant -----	867	3.6	1 158	8.4	320	10.6	201	17.8	587	6.5	2 080	10.9
Graves -----	946	3.1	2 785	3.7	451	7.2	732	6.0	504	7.6	3 166	8.2
Grayson -----	1 128	3.3	2 012	5.4	429	9.4	388	9.7	564	7.5	2 291	9.5
Green -----	936	3.8	1 532	11.5	433	9.3	312	16.0	478	9.1	1 636	12.3
Greenup -----	614	5.8	630	15.8	91	27.4	139	34.3	263	13.2	810	17.3
Hancock -----	407	5.6	681	12.2	126	21.1	131	27.6	217	13.6	571	13.5
Hardin -----	1 468	2.9	2 905	4.2	468	9.7	411	11.6	703	7.0	3 037	8.7
Harlan -----	19	6.4	(D)	(D)	5	14.5	2	13.0	4	11.4	12	5.7
Harrison -----	1 040	2.5	1 860	6.7	370	9.8	345	16.1	500	8.3	2 205	13.6
Hart -----	1 234	3.2	1 862	6.3	479	8.8	323	10.8	602	7.5	2 467	9.1
Henderson -----	517	3.9	2 491	4.5	259	10.0	993	13.6	339	8.2	3 038	7.2
Henry -----	904	3.5	1 907	5.8	349	10.5	479	15.8	441	8.5	2 528	8.2
Hickman -----	201	5.3	852	2.8	107	13.4	260	5.7	128	11.9	1 241	4.8
Hopkins -----	475	6.3	1 235	6.1	150	14.8	158	11.2	198	15.6	1 338	8.9
Jackson -----	576	5.2	673	8.5	99	22.6	32	33.2	325	10.0	783	16.5
Jefferson -----	425	5.0	759	6.2	150	16.2	141	18.1	174	14.7	532	21.2
Jessamine -----	717	4.0	1 603	17.3	185	14.7	216	18.1	274	11.9	1 328	11.9
Johnson -----	129	13.4	128	31.0	22	38.0	11	55.9	34	35.8	25	37.9
Kenton -----	407	5.1	513	12.6	114	21.7	86	28.2	110	19.4	344	14.6
Knott -----	9	12.7	23	18.2	5	15.0	1	14.9	3	21.5	6	37.2
Knox -----	241	9.5	252	20.5	64	29.2	39	49.3	46	32.3	144	32.6
Larue -----	748	3.8	1 508	5.4	242	12.8	222	13.7	423	8.9	1 864	9.6
Laurel -----	871	4.4	951	8.7	253	13.0	102	14.8	360	9.2	1 092	13.2
Lawrence -----	278	6.0	261	17.7	50	30.8	28	37.5	129	13.1	209	18.6
Lee -----	111	16.6	119	21.6	1	—	(D)	(D)	65	30.7	100	26.3
Leslie -----	8	12.3	(D)	1	43.4	(D)	(D)	1	—	(D)	(D)	(D)
Letcher -----	20	8.2	14	13.5	4	18.1	1	17.8	8	11.7	6	13.2
Lewis -----	649	4.8	858	8.0	187	16.5	121	13.4	224	11.5	739	14.2
Lincoln -----	1 086	3.5	1 996	7.6	319	12.3	207	13.2	517	7.6	2 628	8.2
Livingston -----	307	7.1	671	10.4	139	17.3	212	12.9	125	17.6	585	8.0
Logan -----	1 001	3.2	3 129	3.8	400	9.1	914	5.9	546	7.5	4 259	5.5
Lyon -----	178	6.7	342	13.5	44	25.8	52	33.0	68	17.8	425	21.3
McCracken -----	313	5.0	769	12.0	121	18.6	136	17.0	162	11.5	693	8.4
McCreary -----	83	6.5	65	13.3	32	15.3	24	30.1	31	17.4	69	19.5
McLean -----	377	5.7	1 977	7.8	125	16.6	257	7.1	228	11.5	1 815	7.1
Madison -----	1 345	2.6	2 225	4.8	402	9.8	503	9.8	584	7.6	2 679	7.7
Magoffin -----	315	5.5	201	18.7	53	26.4	19	47.2	89	21.5	89	28.8
Marion -----	983	3.1	1 831	5.4	418	8.9	463	18.8	511	8.5	2 097	8.9
Marshall -----	432	5.2	775	11.5	148	15.4	137	11.2	251	9.9	903	8.5

See footnotes at end of table.

## C-22 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Repair and maintenance				Customwork, machine hire, and rental of machinery and equipment				Interest expense			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Martin -----	19	6.3	16	6.7	4	10.1	(D)	(D)	6	9.9	6	6.0
Mason -----	814	2.4	1 855	4.9	446	6.7	361	7.3	486	6.8	2 404	9.3
Meade -----	722	3.8	1 148	6.2	262	12.2	307	36.4	279	11.8	1 373	13.4
Menifee -----	268	8.1	282	11.7	88	20.1	51	27.1	176	13.5	507	18.4
Mercer -----	953	2.8	1 917	4.5	283	11.7	247	9.2	616	6.4	2 792	8.7
Metcalfe -----	792	5.0	996	8.5	295	12.6	301	19.2	464	8.7	1 476	8.7
Monroe -----	777	4.7	1 343	8.4	304	12.2	325	11.4	482	8.2	1 804	13.3
Montgomery -----	623	4.1	1 124	5.5	238	11.5	315	13.7	303	9.2	1 250	11.3
Morgan -----	461	7.2	552	10.2	211	14.5	87	17.9	227	13.3	594	17.0
Muhlenberg -----	500	4.5	962	6.5	194	14.3	126	14.9	189	13.4	997	7.2
Nelson -----	1 176	2.8	2 107	4.2	419	9.7	560	17.7	609	6.8	3 406	11.9
Nicholas -----	546	3.7	893	7.2	193	13.6	180	10.1	286	10.2	1 201	20.9
Ohio -----	849	3.3	1 426	8.2	258	13.8	309	6.8	322	10.9	1 145	8.2
Oldham -----	400	4.3	1 387	5.8	120	17.0	157	8.1	168	14.0	1 116	13.9
Owen -----	796	3.7	1 414	6.5	281	11.8	235	12.0	478	7.9	1 857	11.4
Owsley -----	225	8.7	239	20.7	34	40.9	10	44.2	61	30.0	124	54.7
Pendleton -----	755	4.1	1 175	7.4	318	11.5	183	16.0	376	9.7	1 448	12.3
Perry -----	23	7.9	22	7.0	3	21.5	4	23.2	15	8.7	34	12.5
Pike -----	34	7.2	23	11.5	1	43.0	(D)	(D)	7	11.7	(D)	(D)
Powell -----	227	8.3	213	19.0	73	23.5	18	38.9	73	25.6	232	28.3
Pulaski -----	1 573	3.0	2 142	6.9	495	9.4	397	13.1	776	6.2	3 615	13.8
Robertson -----	277	5.5	612	21.9	93	19.7	107	27.9	104	16.7	390	22.3
Rockcastle -----	645	4.6	746	7.9	196	14.4	96	19.9	329	9.5	648	17.6
Rowan -----	372	6.4	478	14.8	65	28.0	57	30.1	184	12.8	404	19.1
Russell -----	680	6.9	1 154	8.6	381	11.6	363	13.7	394	10.8	1 533	13.4
Scott -----	836	3.5	2 140	4.2	310	9.8	593	13.4	428	8.0	2 445	10.1
Shelby -----	1 343	2.8	3 705	6.1	632	6.6	799	5.9	703	6.5	4 392	7.0
Simpson -----	429	5.8	1 353	6.7	240	12.6	456	13.0	208	14.3	2 096	8.1
Spencer -----	516	4.7	1 318	6.2	269	10.7	235	15.3	274	11.2	1 072	15.1
Taylor -----	829	3.9	1 309	6.9	291	11.5	197	11.8	420	8.0	1 837	8.8
Todd -----	530	4.8	2 132	2.7	289	8.2	600	5.2	409	7.1	2 787	4.9
Trigg -----	370	4.8	1 036	4.2	139	15.8	232	21.1	242	10.7	1 348	9.2
Trimble -----	517	3.6	772	11.1	202	14.2	105	21.3	198	13.2	800	21.5
Union -----	302	6.4	2 733	1.9	172	10.0	539	7.4	230	7.4	4 204	9.2
Warren -----	1 646	2.9	3 404	5.4	889	6.3	1 231	7.3	654	8.0	3 165	7.3
Washington -----	874	4.2	1 583	6.0	411	10.0	393	13.6	572	7.6	2 926	8.3
Wayne -----	663	4.5	1 188	6.7	221	12.5	170	13.4	312	10.7	1 061	11.5
Webster -----	408	3.6	1 503	3.5	135	15.1	336	16.5	251	9.9	1 691	5.9
Whitley -----	241	8.8	266	14.5	33	39.0	20	49.9	78	18.6	225	25.0
Wolfe -----	242	10.5	257	14.3	110	20.6	46	28.4	156	13.1	234	26.0
Woodford -----	605	4.2	2 859	2.8	219	10.5	411	12.5	297	9.5	4 727	4.4
Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Kentucky -----	10 111	2.1	51 908	1.4	83 423	1.0	54 254	1.3	77 889	1.0	207 887	.8
Adair -----	103	21.0	168	18.7	1 444	1.7	827	7.3	1 292	2.6	2 064	3.5
Allen -----	73	26.9	107	27.8	1 116	2.3	517	5.6	1 007	3.2	2 302	3.9
Anderson -----	91	23.6	103	25.5	753	1.6	602	7.9	676	3.3	1 026	6.7
Ballard -----	123	16.5	1 039	7.3	438	2.8	350	10.6	425	3.5	1 842	3.7
Barren -----	165	14.5	534	19.4	2 074	2.0	1 061	6.3	1 972	2.3	4 442	4.7
Bath -----	96	24.2	137	18.9	764	3.5	417	9.4	789	2.7	1 585	6.1
Bell -----	7	12.7	2	9.9	55	5.3	29	6.9	35	6.1	16	7.0
Boone -----	102	22.0	371	18.7	756	2.2	618	5.0	669	3.4	1 173	6.4
Bourbon -----	142	15.1	1 876	11.2	919	2.8	1 201	4.0	984	1.7	8 953	3.0
Boyd -----	12	49.1	65	3.2	205	3.5	169	28.2	173	7.7	373	12.9
Boyle -----	77	24.6	381	8.8	684	3.0	427	5.4	664	3.2	2 284	5.5
Bracken -----	48	35.5	58	22.6	658	2.1	458	12.3	638	2.9	1 252	7.3
Breathitt -----	35	36.8	10	74.0	240	4.8	77	16.2	177	11.0	158	25.0
Breckinridge -----	151	17.5	553	15.7	1 381	2.0	733	7.9	1 339	2.4	2 273	4.5
Bullitt -----	48	30.6	154	12.5	567	2.7	323	7.4	457	5.9	653	7.6
Butler -----	100	22.7	236	5.4	622	2.8	306	8.0	530	4.6	1 074	8.5
Caldwell -----	52	25.0	544	1.1	488	4.0	325	6.9	464	4.1	1 787	8.6
Calloway -----	202	13.7	1 042	12.1	632	2.7	343	4.9	649	2.4	2 217	3.7
Campbell -----	83	19.2	108	26.2	489	3.0	363	7.6	424	4.5	431	13.2
Carlisle -----	110	20.5	846	10.2	293	4.5	215	10.6	289	4.6	1 346	12.6
Carroll -----	54	28.7	153	28.3	304	6.3	187	15.1	320	4.2	695	14.2
Carter -----	116	19.6	154	31.5	837	3.4	305	7.3	766	4.1	693	8.0
Casey -----	138	18.7	291	20.0	1 413	2.0	852	16.3	1 278	2.8	1 834	6.3
Christian -----	236	11.2	3 632	3.6	1 060	2.4	676	4.5	1 060	2.1	4 704	3.2

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-23

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Clark -----	141	17.9	717	12.1	869	2.8	710	5.1	847	3.0	2 680	4.1
Clay -----	73	23.5	127	25.1	448	3.9	234	19.5	390	4.9	336	13.2
Clinton -----	71	13.5	174	48.9	688	3.0	216	9.4	543	5.0	756	17.0
Crittenden -----	44	26.2	145	14.5	495	1.9	254	7.9	448	3.9	757	5.9
Cumberland -----	60	37.2	176	54.1	614	2.7	176	7.6	514	4.7	368	12.8
Daviess -----	168	11.2	2 372	2.7	1 115	2.8	1 014	3.2	1 135	2.5	4 083	2.0
Edmonson -----	63	24.6	200	26.5	716	1.7	313	6.0	608	3.9	1 009	7.0
Elliott -----	50	31.4	36	47.1	476	3.7	261	12.7	361	7.2	331	16.4
Estill -----	28	42.5	110	66.1	471	3.1	231	9.9	384	5.9	412	13.1
Fayette -----	147	11.5	1 859	3.4	716	3.3	1 518	4.5	774	2.7	12 301	1.9
Fleming -----	149	19.6	392	16.6	1 101	2.8	845	7.8	1 083	2.6	2 769	5.5
Floyd -----	11	10.4	20	7.2	91	4.3	37	5.1	70	4.7	57	4.1
Franklin -----	64	27.1	115	19.1	644	3.2	418	6.4	651	2.7	1 440	5.7
Fulton -----	54	14.5	1 204	.4	154	4.4	153	6.1	139	7.7	1 125	1.4
Gallatin -----	22	34.4	124	29.0	261	4.9	191	11.0	269	3.7	530	12.1
Garrard -----	131	18.2	265	6.9	873	3.0	581	5.0	884	2.8	2 107	7.8
Grant -----	100	20.1	170	39.7	982	2.6	514	9.9	990	2.5	1 409	7.4
Graves -----	177	14.0	1 564	15.1	1 087	1.9	639	4.6	1 035	2.3	3 903	3.9
Grayson -----	77	22.2	293	13.5	1 415	1.9	618	4.6	1 291	2.7	2 472	4.1
Green -----	124	21.6	181	23.8	1 133	2.5	497	5.0	1 084	2.5	1 991	7.8
Greenup -----	70	28.4	113	20.6	786	2.8	368	8.9	600	6.1	711	13.6
Hancock -----	40	37.0	297	14.7	453	4.4	156	6.6	450	3.9	760	5.6
Hardin -----	228	13.1	1 016	10.3	1 730	1.7	1 208	5.6	1 579	2.5	3 045	3.6
Harlan -----	2	22.4	(D)	(D)	28	5.7	18	7.8	20	6.9	20	7.1
Harrison -----	132	21.0	307	27.1	1 057	2.3	940	34.4	1 081	2.1	2 724	5.7
Hart -----	90	23.8	152	33.2	1 466	2.2	688	6.3	1 445	2.2	2 618	5.7
Henderson -----	150	14.6	2 098	9.4	572	1.9	655	4.4	549	2.9	3 371	1.4
Henry -----	103	18.8	218	11.4	969	2.9	804	10.9	977	2.5	3 073	7.0
Hickman -----	58	15.3	903	.8	253	1.0	198	8.7	235	4.2	1 132	2.5
Hopkins -----	106	19.2	489	11.5	594	2.1	468	6.4	518	4.7	1 866	9.0
Jackson -----	108	22.5	95	33.9	753	2.4	287	5.2	575	5.0	1 026	13.4
Jefferson -----	97	17.7	357	11.3	518	2.6	507	6.3	484	3.9	1 838	5.7
Jessamine -----	88	20.8	445	2.8	751	3.2	594	7.2	765	3.3	2 051	5.2
Johnson -----	8	81.5	24	81.5	212	3.2	94	22.6	128	13.3	164	43.2
Kenton -----	61	32.3	60	46.6	478	2.6	333	10.1	405	5.2	854	13.6
Knott -----	3	18.6	1	17.6	27	7.3	11	10.3	21	8.1	11	12.9
Knox -----	65	28.2	64	26.5	315	5.6	131	19.0	229	10.5	198	16.7
Larue -----	73	20.3	392	10.1	845	2.1	564	9.2	822	2.4	1 627	3.8
Laurel -----	68	22.5	192	19.0	1 168	2.0	613	6.5	974	3.2	1 437	8.9
Lawrence -----	30	37.9	6	37.1	306	4.0	96	10.2	246	7.9	198	14.2
Lee -----	29	54.6	51	72.9	148	12.4	33	17.8	127	13.5	134	16.2
Leslie -----	4	12.1	(D)	(D)	18	8.4	7	10.9	8	13.0	2	20.0
Letcher -----	6	13.9	1	31.5	29	7.1	6	10.6	20	8.5	8	13.6
Lewis -----	83	22.8	88	17.2	795	3.2	291	7.2	746	3.7	928	6.7
Lincoln -----	107	19.1	536	6.9	1 329	2.2	832	4.8	1 281	2.2	2 578	3.9
Livingston -----	51	24.6	314	7.3	378	1.2	295	11.1	331	5.6	1 183	7.1
Logan -----	164	15.9	1 917	4.0	1 194	1.8	840	3.5	1 111	2.6	4 409	2.1
Lyon -----	42	28.4	174	24.8	222	5.0	164	26.2	211	6.4	478	6.4
McCracken -----	79	22.5	394	4.4	372	4.0	177	9.3	366	3.2	892	4.5
McCreary -----	13	28.3	3	36.7	97	4.9	33	10.7	79	6.5	44	17.0
McLean -----	136	15.8	1 233	13.4	373	6.1	472	5.5	394	4.3	2 206	3.8
Madison -----	202	13.8	676	17.6	1 440	1.9	935	4.7	1 432	1.9	2 939	4.9
Magoffin -----	17	53.2	11	61.8	416	3.0	136	17.5	318	6.7	171	11.2
Marion -----	151	18.0	578	19.2	1 060	2.5	923	18.4	960	3.0	2 776	7.1
Marshall -----	46	26.6	221	31.7	553	1.9	228	4.1	452	4.3	902	6.2
Martin -----	6	9.9	4	2.9	22	6.4	16	12.0	21	6.2	51	2.8
Mason -----	56	21.3	262	8.1	832	2.2	654	5.3	847	1.8	2 117	5.3
Meade -----	106	19.9	394	19.1	840	2.3	473	6.2	818	2.6	1 352	6.3
Menifee -----	32	35.5	36	13.5	387	1.6	134	8.3	312	6.2	386	13.5
Mercer -----	81	17.8	230	11.3	1 019	2.0	707	6.2	977	2.4	3 154	3.7
Metcalfe -----	107	23.7	441	28.0	982	2.7	392	5.3	933	3.4	1 602	12.2
Monroe -----	85	19.9	207	12.5	992	2.4	527	5.5	914	3.1	1 825	5.7
Montgomery -----	92	22.2	196	19.3	694	2.7	518	11.8	677	3.4	1 796	4.9
Morgan -----	61	24.2	63	33.3	649	4.6	354	14.9	579	5.3	555	8.6
Muhlenberg -----	96	19.2	892	4.9	564	2.9	290	6.3	509	4.1	1 189	4.3
Nelson -----	180	16.0	413	18.3	1 372	1.6	978	7.4	1 234	2.4	3 328	4.0
Nicholas -----	73	24.5	212	11.1	579	3.3	377	5.9	601	3.1	1 336	6.1
Ohio -----	92	18.4	337	12.4	966	2.1	408	4.2	858	3.2	1 998	3.7
Oldham -----	80	17.9	444	3.3	445	2.3	617	8.1	409	4.0	1 895	5.3
Owen -----	101	19.1	144	25.7	903	2.2	543	7.2	861	2.7	1 595	5.8
Owsley -----	—	—	—	—	294	5.1	150	15.9	219	8.7	267	16.7
Pendleton -----	48	33.8	146	30.0	852	2.5	434	5.9	756	4.0	1 214	9.6
Perry -----	6	13.7	(D)	(D)	40	6.2	19	10.5	33	6.5	27	4.9
Pike -----	5	14.0	1	15.7	55	5.4	26	7.4	42	6.3	37	11.1
Powell -----	28	44.7	25	66.8	253	5.6	123	16.1	208	9.2	243	15.8
Pulaski -----	324	12.0	746	13.2	2 018	1.6	985	5.2	1 839	2.1	2 703	4.6
Robertson -----	17	54.5	47	72.4	279	4.6	171	13.2	277	4.1	802	31.5
Rockcastle -----	56	29.3	33	14.9	811	2.1	312	7.0	760	3.0	799	7.0
Rowan -----	56	35.3	85	45.6	476	3.5	291	16.2	376	5.9	638	8.3
Russell -----	145	16.1	380	13.2	957	3.0	538	5.9	799	5.0	1 486	6.4

See footnotes at end of table.

## C-24 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Scott -----	75	21.6	522	9.8	913	1.8	681	8.3	913	2.1	3 906	4.0
Shelby -----	105	17.2	772	15.0	1 410	2.6	1 607	6.0	1 438	2.3	5 246	4.8
Simpson -----	51	17.7	1 070	.2	536	3.3	469	8.2	510	4.2	2 074	3.6
Spencer -----	60	24.3	205	9.7	600	2.7	469	15.4	582	3.1	1 745	7.9
Taylor -----	112	18.5	344	12.8	975	2.5	560	4.7	975	2.5	1 995	4.9
Todd -----	154	12.8	1 156	8.4	573	3.5	360	3.7	590	3.7	2 613	3.0
Trigg -----	75	22.8	658	24.6	388	3.9	216	5.4	392	2.9	1 246	8.6
Trimble -----	43	32.1	138	41.6	532	3.6	347	7.1	531	2.8	1 198	16.0
Union -----	131	15.1	2 112	2.4	373	1.7	671	6.4	353	3.2	3 398	2.5
Warren -----	183	16.4	897	6.3	1 864	2.0	1 016	4.1	1 744	2.5	4 160	4.3
Washington -----	60	27.0	186	24.4	1 043	2.2	712	12.5	1 048	2.2	3 172	6.0
Wayne -----	98	19.4	324	12.3	822	2.4	345	7.5	756	2.8	1 765	5.0
Webster -----	101	15.5	569	3.5	430	3.4	382	8.2	424	3.6	1 674	5.4
Whitley -----	23	47.2	62	53.5	344	3.1	152	17.2	239	8.0	290	15.2
Wolfe -----	31	49.1	77	68.6	429	3.0	192	22.9	348	6.0	258	20.4
Woodford -----	48	—	846	—	664	2.6	1 134	3.1	671	2.7	6 362	2.8
Geographic area	Net cash return from agricultural sales for the farm unit (see text) <sup>1</sup>				Total cropland				Harvested cropland			
	Farms		Value		Farms		Acres		Farms		Acres	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
	Kentucky -----	90 280	1.0	817 456	.9	86 345	1.0	8 880 989	.7	79 590	1.0	4 417 651
Adair -----	1 481	1.3	8 511	5.7	1 438	1.3	113 273	1.5	1 357	1.3	45 175	1.4
Allen -----	1 186	1.4	5 851	9.4	1 128	1.4	100 090	1.8	1 021	1.5	33 585	1.8
Anderson -----	768	1.0	2 932	15.5	737	.9	59 467	1.4	657	1.0	19 460	1.6
Ballard -----	464	.9	7 777	5.4	447	.8	93 703	.6	414	.9	69 662	.5
Barren -----	2 200	1.5	18 164	5.0	2 140	1.5	181 648	1.6	1 998	1.5	79 911	1.5
Bath -----	865	1.1	8 420	5.8	834	.9	93 248	1.2	799	1.0	29 909	1.2
Bell -----	61	5.1	(D)	(D)	53	2.8	2 809	8.8	40	4.2	619	5.8
Boone -----	798	1.0	4 303	14.0	765	.8	47 269	1.2	707	.9	18 709	1.2
Bourbon -----	1 026	.9	21 778	4.2	958	.9	154 039	.9	867	1.0	58 517	.8
Boyd -----	213	1.5	(D)	(D)	186	1.3	9 465	3.4	147	1.8	2 888	3.0
Boyle -----	742	1.0	7 102	11.1	705	1.0	70 779	1.1	638	1.0	30 604	1.3
Bracken -----	703	1.0	7 572	6.5	681	.8	53 786	1.3	644	.9	18 398	1.3
Breathitt -----	275	1.5	972	22.4	266	1.5	12 721	4.2	252	1.6	2 141	4.3
Breckinridge -----	1 473	1.0	11 728	4.8	1 431	.9	158 192	.9	1 355	1.0	66 730	.9
Bullitt -----	598	1.0	2 409	13.6	555	.8	33 618	1.5	490	.9	16 154	1.7
Butler -----	671	1.5	2 793	15.0	632	1.4	75 189	1.7	540	1.6	41 402	1.7
Caldwell -----	534	1.2	5 149	13.3	519	1.0	90 341	.9	449	1.1	49 421	.9
Calloway -----	695	.9	9 198	8.5	672	.9	107 990	.7	610	1.0	83 175	.6
Campbell -----	533	.9	1 068	48.4	492	.7	25 640	1.6	452	.8	10 280	1.7
Carlisle -----	320	1.0	4 559	7.8	309	.8	66 469	.9	286	.9	50 036	.7
Carroll -----	365	1.0	3 400	12.5	351	.8	28 609	1.8	338	.9	11 398	1.6
Carter -----	986	1.3	2 814	13.0	953	1.2	44 398	1.8	890	1.3	12 133	1.8
Casey -----	1 490	1.1	8 571	8.6	1 459	1.0	100 977	1.2	1 379	1.0	37 901	1.1
Christian -----	1 170	1.0	15 995	4.0	1 114	.9	219 185	.7	1 002	1.0	145 802	.6
Clark -----	966	1.0	9 346	6.1	911	.9	100 565	.9	799	.9	33 556	1.0
Clay -----	510	1.4	2 752	7.6	504	1.5	16 897	2.7	484	1.5	4 178	2.6
Clinton -----	747	1.8	3 378	16.8	721	1.5	41 192	1.7	680	1.5	14 713	1.8
Crittenden -----	509	1.0	1 702	28.4	466	.9	79 485	1.0	398	1.1	35 793	1.3
Cumberland -----	647	1.8	3 017	13.0	629	1.5	42 320	1.9	581	1.6	13 928	2.1
Daviess -----	1 264	.9	25 557	2.0	1 205	.9	212 933	.5	1 117	.9	178 766	.4
Edmonson -----	733	1.1	1 857	16.7	713	1.0	55 535	1.4	636	1.1	23 474	1.6
Elliott -----	527	1.4	2 187	12.8	515	1.3	21 448	2.3	498	1.3	5 542	3.1
Estill -----	498	1.4	1 111	31.3	481	1.2	29 768	2.3	447	1.3	9 732	2.4
Fayette -----	837	.9	(D)	(D)	727	.9	93 187	1.0	584	1.1	30 047	1.1
Fleming -----	1 231	1.0	12 933	8.8	1 192	.9	129 809	1.0	1 149	.9	51 037	1.0
Floyd -----	99	4.2	(D)	(D)	78	2.7	3 397	6.5	67	3.2	1 060	9.0
Franklin -----	739	1.0	6 442	8.0	694	.9	50 419	1.4	641	1.0	18 270	1.5
Fulton -----	164	1.1	7 842	1.8	150	.8	86 174	.3	139	.9	76 223	.2
Gallatin -----	288	1.3	2 014	15.9	278	1.0	20 391	1.5	264	1.1	7 586	1.7
Garrard -----	984	1.1	11 496	4.7	949	1.0	96 701	1.2	885	1.0	28 852	1.2
Grant -----	1 079	1.2	4 554	14.4	1 031	1.2	74 419	1.7	949	1.2	23 080	1.8
Graves -----	1 143	.8	14 928	5.0	1 094	.8	171 941	.6	959	.9	116 482	.6
Grayson -----	1 513	1.1	7 843	6.3	1 454	1.1	126 835	1.0	1 350	1.1	56 180	1.0
Green -----	1 209	1.4	9 209	7.6	1 183	1.4	90 964	1.7	1 113	1.4	37 082	1.7
Greenup -----	849	1.2	3 562	9.1	815	1.2	36 762	1.8	747	1.2	13 535	2.3
Hancock -----	515	1.1	3 127	12.1	497	.9	40 152	1.2	470	1.0	22 557	1.3
Hardin -----	1 810	1.0	10 921	5.4	1 735	.9	162 888	.9	1 578	1.0	84 698	.8
Harlan -----	29	5.7	75	13.4	26	3.3	1 065	6.0	23	3.9	613	4.3
Harrison -----	1 164	.8	13 295	7.1	1 125	.7	118 888	.9	1 047	.8	43 006	.9
Hart -----	1 581	1.3	13 543	4.4	1 540	1.2	123 515	1.1	1 468	1.2	44 316	1.0
Henderson -----	598	.8	10 275	6.3	551	.8	172 387	.5	495	.9	147 219	.5
Henry -----	1 071	1.5	12 574	5.6	1 039	1.5	107 854	1.6	992	1.5	46 862	1.6
Hickman -----	255	1.0	5 957	3.7	247	.7	86 285	.6	210	1.0	68 486	.6
Hopkins -----	619	1.1	5 692	5.4	572	.9	103 465	.8	510	1.0	72 179	.8

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-25

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Net cash return from agricultural sales for the farm unit (see text) <sup>1</sup>				Total cropland				Harvested cropland			
	Farms		Value		Farms		Acres		Farms		Acres	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Jackson -----	789	1.6	3 041	17.1	776	1.4	37 402	2.2	741	1.5	12 290	2.5
Jefferson -----	565	1.2	1 454	14.8	494	1.0	27 638	1.7	407	1.2	13 491	2.1
Jessamine -----	842	1.0	7 875	10.2	796	.9	71 826	1.3	704	1.0	24 816	1.3
Johnson -----	220	1.7	571	23.1	202	1.6	5 910	3.8	181	1.8	1 706	4.1
Kenton -----	507	1.0	2 074	17.3	492	.8	25 937	1.6	460	.9	9 904	1.7
Knott -----	29	7.0	(D)	(D)	26	3.1	862	6.0	17	6.2	201	8.9
Knox -----	376	1.9	671	39.8	357	1.6	20 337	2.7	335	1.7	7 181	2.9
Larue -----	906	.9	6 114	11.2	868	.8	87 928	.9	797	.8	46 737	.9
Laurel -----	1 252	1.1	4 324	11.6	1 220	1.1	62 008	1.2	1 153	1.1	21 637	1.3
Lawrence -----	343	1.4	659	21.4	327	1.2	13 700	2.9	303	1.3	3 860	2.8
Lee -----	188	1.5	418	62.2	178	1.7	7 962	3.7	169	1.8	1 950	2.9
Leslie -----	20	8.0	24	17.8	20	2.3	502	11.2	18	4.0	82	13.0
Letcher -----	30	7.0	(D)	(D)	26	3.7	826	12.4	18	6.1	157	15.9
Lewis -----	909	1.0	7 226	6.4	888	.9	60 836	1.3	862	.9	22 991	1.2
Lincoln -----	1 444	1.1	10 405	5.9	1 399	1.0	115 773	1.0	1 317	1.1	47 353	1.0
Livingston -----	378	1.2	1 296	23.7	332	1.2	80 282	1.2	273	1.5	35 672	1.3
Logan -----	1 231	1.2	20 118	3.4	1 177	1.1	210 110	.8	1 090	1.1	143 522	.7
Lyon -----	244	1.1	1 740	20.6	233	.8	33 710	1.3	206	1.1	14 692	1.2
McCracken -----	404	1.0	3 999	9.8	382	.8	51 896	.9	332	1.0	36 450	.9
McCreary -----	114	2.8	(D)	(D)	105	1.9	5 777	3.8	84	2.6	1 969	5.5
McLean -----	458	1.0	10 411	5.1	435	.9	114 022	.5	418	.9	99 967	.5
Madison -----	1 574	.9	16 226	4.3	1 511	.8	158 761	1.0	1 411	.9	46 914	.9
Magoffin -----	437	2.0	817	24.4	421	1.7	11 094	3.7	405	1.8	3 205	3.4
Marion -----	1 128	1.7	11 554	7.1	1 082	1.6	113 123	1.6	1 038	1.6	52 124	1.5
Marshall -----	568	1.1	3 299	14.6	526	.9	53 825	1.0	420	1.1	34 064	.9
Martin -----	23	6.2	(D)	(D)	19	3.5	1 440	2.9	17	4.4	571	3.6
Mason -----	887	.9	14 192	4.0	856	.9	102 875	1.1	830	.9	39 820	1.0
Meade -----	880	1.2	5 259	8.7	823	1.2	80 952	1.5	739	1.2	41 739	1.4
Menifee -----	398	1.6	1 888	19.7	378	1.4	17 659	2.2	353	1.5	4 921	2.3
Mercer -----	1 085	1.0	8 790	6.2	1 032	.8	98 439	.9	894	.9	36 717	.9
Metcalfe -----	1 067	1.7	9 906	7.5	1 034	1.6	79 197	1.8	984	1.6	31 134	1.8
Monroe -----	1 062	1.5	6 749	12.4	1 013	1.5	99 951	1.7	945	1.5	36 717	1.7
Montgomery -----	772	1.2	8 699	5.5	743	1.1	81 371	1.3	716	1.1	30 920	1.3
Morgan -----	786	1.7	3 809	9.0	774	1.6	39 761	2.0	745	1.6	11 497	2.3
Muhlenberg -----	603	1.0	5 312	5.5	573	.9	73 767	.9	524	1.0	45 345	1.0
Nelson -----	1 423	1.0	12 631	5.2	1 347	.9	130 425	.9	1 226	1.0	62 336	.9
Nicholas -----	657	1.0	6 613	7.5	625	.9	70 976	1.3	596	.9	22 700	1.4
Ohio -----	1 019	1.2	6 154	5.0	986	1.0	101 959	.9	904	1.1	63 595	.8
Oldham -----	466	1.0	3 150	20.6	422	.9	54 795	1.1	348	1.2	24 537	1.1
Owen -----	949	1.4	9 849	4.6	908	1.1	98 095	1.4	857	1.2	30 501	1.4
Owsley -----	327	1.7	1 458	21.1	325	1.7	11 613	3.7	314	1.7	2 866	3.8
Pendleton -----	921	.8	5 753	10.5	891	.7	75 733	1.0	828	.7	23 552	1.2
Perry -----	43	6.0	(D)	(D)	39	2.7	1 477	11.5	32	3.9	382	14.7
Pike -----	57	5.4	30	28.7	49	3.2	1 449	6.7	43	3.8	595	4.8
Powell -----	288	1.3	760	42.9	279	1.3	13 441	2.6	251	1.5	5 607	3.6
Pulaski -----	2 137	.9	8 326	15.7	2 056	.9	142 567	1.0	1 886	.9	61 616	1.0
Robertson -----	314	1.1	2 596	13.7	306	.8	33 028	1.9	289	.9	10 372	2.3
Rockcastle -----	852	1.1	3 747	9.6	821	1.1	43 744	1.5	774	1.1	15 079	1.8
Rowan -----	510	1.5	663	46.2	501	1.4	22 009	2.5	468	1.4	6 922	2.9
Russell -----	1 041	1.3	6 712	8.0	1 016	1.1	61 793	1.4	951	1.2	26 834	1.4
Scott -----	971	.9	18 608	3.2	912	.8	101 238	.9	811	.9	31 388	1.0
Shelby -----	1 640	.8	18 549	4.7	1 571	.8	164 080	.8	1 478	.8	83 373	.8
Simpson -----	570	1.2	7 770	7.5	541	1.1	103 942	.9	505	1.2	80 381	.8
Spencer -----	648	1.3	8 802	7.9	623	1.0	63 769	1.3	588	1.0	29 044	1.2
Taylor -----	1 065	1.2	8 604	5.9	1 020	1.1	85 080	1.5	953	1.2	41 267	1.6
Todd -----	653	1.1	13 304	2.8	629	1.0	127 745	.6	580	1.0	92 415	.5
Trigg -----	425	1.3	5 163	9.3	405	1.2	76 031	1.1	372	1.3	42 566	.9
Trimble -----	603	.9	4 985	18.2	587	.8	34 996	1.6	559	.9	15 507	1.6
Union -----	387	.8	14 477	2.3	350	.9	170 902	.4	323	.9	144 412	.3
Warren -----	1 956	1.6	13 406	6.2	1 844	1.5	185 529	1.5	1 609	1.6	94 426	1.4
Washington -----	1 137	1.0	11 913	5.6	1 096	.9	117 507	1.1	1 025	1.0	43 558	1.1
Wayne -----	889	.9	5 518	6.7	845	.8	59 603	1.2	785	.9	26 614	1.4
Webster -----	466	.9	6 528	8.4	429	.8	112 581	.6	388	.9	87 075	.5
Whitley -----	369	1.1	388	56.2	342	1.2	23 689	2.4	298	1.4	7 694	2.9
Wolfe -----	456	1.4	2 152	11.5	451	1.6	15 304	2.6	441	1.6	4 822	2.8
Woodford -----	727	.8	28 423	1.6	664	.7	87 884	.9	590	.8	30 237	.9
<b>Irrigated land</b>												
<b>Livestock and poultry</b>												
Geographic area	Farms		Acres		Cattle and calves inventory				Beef cows inventory			
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Kentucky -----	2 120	1.1	27 647	.9	52 572	1.0	2 503 680	.8	42 898	1.0	1 088 532	.9
Addair -----	24	7.2	97	13.1	966	1.5	45 825	1.6	714	1.7	17 874	2.2
Allen -----	20	7.8	776	3.0	834	1.6	36 699	1.8	715	1.7	18 803	2.2
Anderson -----	18	7.7	80	9.7	476	1.2	18 797	1.4	399	1.4	8 199	1.8
Ballard -----	14	7.2	261	1.2	180	1.8	10 920	2.1	150	2.1	4 980	3.4

See footnotes at end of table.

## C-26 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Irrigated land				Livestock and poultry							
	Farms		Acres		Cattle and calves inventory				Beef cows inventory			
					Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Barren -----	27	7.2	105	11.0	1 537	1.6	82 629	1.6	1 183	1.8	30 401	2.1
Bath -----	16	7.3	178	14.6	560	1.2	29 090	1.2	467	1.3	13 822	1.3
Bell -----	-	-	-	-	50	3.2	886	4.7	37	4.6	(D)	(D)
Boone -----	24	5.6	103	4.5	375	1.3	12 615	1.6	319	1.5	6 043	1.8
Bourbon -----	27	5.6	268	5.2	611	1.2	54 754	.9	470	1.4	22 155	1.1
Boyd -----	3	12.4	(D)	(D)	144	1.9	4 002	3.1	122	2.3	2 004	3.1
Boyle -----	8	9.3	49	4.3	461	1.3	35 951	1.1	358	1.5	13 698	1.4
Bracken -----	9	10.8	184	3.4	414	1.2	15 363	1.4	345	1.4	6 363	1.8
Breathitt -----	2	21.7	(D)	(D)	72	3.9	1 149	5.5	46	4.9	440	6.0
Breckinridge -----	11	9.7	118	14.0	836	1.1	43 003	1.1	763	1.2	22 739	1.1
Bullitt -----	14	8.5	71	21.8	344	1.3	11 701	1.5	297	1.4	5 462	2.0
Butler -----	7	11.2	467	22.4	454	1.7	16 047	2.0	407	1.8	8 631	2.1
Caldwell -----	6	9.4	(D)	(D)	307	1.5	14 842	1.5	244	1.7	6 643	1.9
Calloway -----	54	4.0	1 271	.9	234	1.9	11 619	1.7	202	2.1	4 828	2.3
Campbell -----	14	7.6	87	23.6	375	1.0	9 409	1.7	338	1.1	4 476	1.7
Carlisle -----	8	8.8	56	12.0	137	1.9	6 667	2.2	99	2.3	2 662	3.5
Carroll -----	21	6.1	155	5.5	213	1.5	9 629	1.6	190	1.6	5 042	1.7
Carter -----	31	5.5	105	5.6	473	1.6	10 633	1.8	385	1.8	5 237	2.0
Casey -----	21	7.0	94	16.1	901	1.2	40 081	1.2	708	1.3	18 238	1.5
Christian -----	30	5.2	1 035	3.5	622	1.2	34 614	1.2	544	1.3	17 507	1.3
Clark -----	21	5.4	245	4.9	665	1.0	43 442	1.0	509	1.2	18 409	1.2
Clay -----	15	9.9	50	12.9	131	2.9	3 413	3.6	96	3.4	1 509	4.0
Clinton -----	14	9.2	83	11.2	458	1.7	18 271	1.8	347	1.9	8 999	2.0
Crittenden -----	10	8.8	53	14.2	374	1.1	18 741	1.4	333	1.3	9 818	1.7
Cumberland -----	6	14.3	63	14.1	349	1.9	11 788	2.2	305	2.0	6 346	2.5
Daviess -----	41	4.4	1 601	1.6	521	1.4	18 938	1.5	449	1.5	8 987	1.8
Edmonson -----	8	13.2	11	14.9	496	1.3	20 535	1.7	408	1.5	9 072	2.0
Elliott -----	13	9.0	40	14.2	204	2.3	4 651	3.2	179	2.5	2 680	3.6
Estill -----	3	21.6	4	23.2	296	1.8	8 504	2.5	247	2.0	4 266	2.8
Fayette -----	33	4.2	826	1.4	297	1.6	22 320	1.2	204	1.9	(D)	(D)
Fleming -----	17	7.6	129	8.0	861	1.0	47 824	1.0	622	1.2	16 238	1.5
Floyd -----	7	13.1	23	26.5	66	3.2	645	5.9	44	4.8	303	10.4
Franklin -----	23	6.8	568	9.0	400	1.3	16 078	1.6	357	1.4	8 101	1.8
Fulton -----	5	-	919	-	53	2.7	2 954	2.8	47	2.9	1 351	3.1
Gallatin -----	11	8.0	41	6.1	146	2.0	5 270	2.1	125	2.2	2 653	2.4
Garrard -----	11	9.9	44	13.6	692	1.2	43 590	1.1	541	1.3	17 446	1.4
Grant -----	30	6.2	114	8.9	639	1.5	20 462	1.9	589	1.6	10 769	2.0
Graves -----	64	3.4	965	4.9	454	1.3	17 234	1.2	357	1.5	6 815	1.5
Grayson -----	20	6.8	353	10.1	879	1.2	39 401	1.2	739	1.3	17 302	1.5
Green -----	15	8.5	52	14.3	799	1.6	34 727	1.7	637	1.8	15 425	2.0
Greenup -----	12	10.3	57	13.4	443	1.6	10 880	1.9	375	1.7	5 358	2.0
Hancock -----	6	13.0	16	19.3	235	1.7	8 074	1.8	207	1.9	4 208	2.1
Hardin -----	12	9.0	22	13.7	1 098	1.1	49 982	1.1	892	1.2	21 029	1.4
Harlan -----	3	-	11	-	20	4.0	316	6.2	17	4.3	(D)	(D)
Harrison -----	58	3.9	550	3.5	764	.9	37 605	.9	685	1.0	18 756	1.0
Hart -----	46	5.1	111	6.5	977	1.2	45 759	1.1	714	1.4	17 785	1.4
Henderson -----	9	7.3	1 061	.3	255	1.6	15 353	1.4	234	1.6	8 142	1.5
Henry -----	77	4.4	626	7.7	648	1.8	34 196	1.7	528	2.0	13 814	2.1
Hickman -----	10	5.5	1 394	.1	91	2.4	4 903	1.9	70	2.9	1 892	2.9
Hopkins -----	9	9.4	51	29.9	337	1.5	12 023	2.0	310	1.5	6 750	2.0
Jackson -----	22	7.6	46	13.5	365	2.1	12 063	2.7	292	2.3	5 239	3.2
Jefferson -----	55	3.3	353	3.7	258	1.7	6 671	2.2	214	2.0	3 116	3.0
Jessamine -----	19	7.0	99	8.6	438	1.3	23 560	1.5	363	1.5	11 239	1.7
Johnson -----	6	15.0	116	34.9	100	2.9	1 395	3.5	87	3.2	751	4.3
Kenton -----	13	7.0	47	8.6	281	1.4	7 485	1.9	236	1.6	3 454	2.2
Knott -----	-	-	-	-	22	4.6	271	4.3	16	7.0	112	8.2
Knox -----	21	7.9	122	25.0	191	2.3	4 857	3.2	173	2.5	2 609	3.4
Larue -----	11	9.9	106	12.3	600	1.0	31 357	.9	479	1.2	11 653	1.3
Laurel -----	42	5.2	184	10.1	646	1.3	21 851	1.4	532	1.4	10 053	1.6
Lawrence -----	6	12.6	53	3.2	171	2.1	3 142	2.6	131	2.5	1 545	3.0
Lee -----	5	15.8	6	19.4	77	3.4	1 270	4.7	53	4.4	513	6.2
Leslie -----	-	-	-	-	6	11.6	97	28.6	3	20.4	34	23.0
Letcher -----	1	43.3	(D)	(D)	20	5.4	255	8.4	17	6.6	(D)	(D)
Lewis -----	8	10.2	31	16.7	454	1.2	15 802	1.4	345	1.4	6 546	1.8
Lincoln -----	13	8.3	65	8.1	941	1.1	53 581	1.0	726	1.3	20 684	1.3
Livingston -----	5	14.6	65	10.6	263	1.5	20 471	1.8	223	1.8	10 216	2.1
Logan -----	22	6.6	259	10.1	744	1.3	39 698	1.2	617	1.4	17 590	1.5
Lyon -----	2	29.7	(D)	(D)	136	1.9	6 431	2.2	125	2.0	3 452	2.3
McCracken -----	21	6.5	200	9.2	156	2.1	4 784	2.0	136	2.3	2 071	2.8
McCreary -----	2	31.8	(D)	(D)	82	2.7	1 938	4.1	68	3.3	1 154	4.3
McLean -----	4	17.4	(D)	(D)	155	2.2	6 707	3.1	134	2.3	2 856	2.1
Madison -----	32	5.1	212	8.0	1 024	1.0	71 410	.9	812	1.1	28 524	1.2
Magoffin -----	18	8.3	61	12.7	138	3.2	2 143	4.2	107	3.6	1 038	5.2
Marion -----	37	6.3	294	8.3	803	1.7	49 056	1.7	644	2.0	19 121	2.3
Marshall -----	11	9.1	19	11.5	314	1.4	10 265	2.1	273	1.5	5 205	2.3
Martin -----	2	15.0	(D)	(D)	19	3.7	602	7.9	16	5.0	355	6.1
Mason -----	7	13.1	19	17.3	538	1.2	31 797	1.2	409	1.4	11 598	1.9
Meade -----	10	10.7	32	18.3	620	1.4	27 568	2.0	537	1.5	13 779	1.9
Menifee -----	5	15.9	10	17.1	177	2.1	4 763	3.1	140	2.4	2 440	4.2
Mercer -----	26	5.9	195	10.3	748	1.0	39 082	.9	521	1.2	13 260	1.3

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-27

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Irrigated land				Livestock and poultry							
	Farms		Acres		Cattle and calves inventory				Beef cows inventory			
					Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Metcalfe -----	18	9.5	71	9.5	641	1.9	31 735	1.9	450	2.2	10 984	3.2
Monroe -----	24	6.7	185	9.1	779	1.7	44 318	1.6	613	1.9	17 164	2.1
Montgomery -----	9	10.8	106	6.6	495	1.3	32 170	1.3	407	1.5	16 724	1.5
Morgan -----	13	12.2	77	12.8	294	2.2	9 465	2.2	239	2.3	4 737	2.4
Muhlenberg -----	6	11.8	58	20.5	345	1.4	14 074	1.8	322	1.5	7 254	1.8
Nelson -----	28	5.5	439	3.1	933	1.1	46 633	1.0	704	1.2	16 904	1.6
Nicholas -----	25	6.2	609	11.9	401	1.3	22 239	1.3	368	1.3	11 515	1.4
Ohio -----	12	9.9	152	11.5	521	1.4	18 160	1.5	481	1.4	9 325	1.5
Oldham -----	27	5.5	221	10.0	231	1.6	15 530	1.5	175	2.0	6 711	2.3
Owen -----	60	4.1	528	5.2	565	1.4	24 374	1.5	489	1.5	12 140	1.8
Owsley -----	10	11.8	36	13.7	69	4.2	1 851	5.7	62	4.4	837	5.9
Pendleton -----	28	5.4	161	7.8	641	.9	20 710	1.3	568	1.0	10 283	1.4
Perry -----	1	—	(D)	(D)	20	6.7	584	14.6	17	7.3	(D)	(D)
Pike -----	—	—	—	—	33	5.0	538	9.1	29	5.7	313	11.1
Powell -----	6	14.2	12	15.1	115	2.8	2 771	4.7	95	3.2	1 598	5.6
Pulaski -----	29	6.0	118	9.4	1 461	1.0	62 833	1.0	1 212	1.1	27 897	1.2
Robertson -----	10	9.2	71	6.4	178	1.7	6 841	2.0	152	1.9	3 378	2.5
Rockcastle -----	9	9.9	23	8.4	536	1.3	17 129	1.6	430	1.5	8 221	1.9
Rowan -----	3	13.5	4	10.1	208	2.3	5 263	3.5	167	2.6	2 560	3.5
Russell -----	24	7.2	68	13.2	609	1.4	31 941	1.5	432	1.7	11 080	2.1
Scott -----	49	3.9	537	2.4	575	1.1	34 137	1.0	490	1.2	16 478	1.2
Shelby -----	51	4.6	279	5.0	902	1.0	51 359	.8	655	1.2	16 962	1.4
Simpson -----	14	8.9	158	11.6	324	1.6	13 999	1.5	269	1.8	5 753	1.8
Spencer -----	12	8.1	91	7.3	390	1.3	21 540	1.2	298	1.5	6 977	2.0
Taylor -----	18	8.0	147	14.6	707	1.4	33 744	1.5	573	1.6	13 355	2.0
Todd -----	32	5.1	860	1.0	330	1.5	18 769	1.3	258	1.8	7 074	1.8
Trigg -----	4	18.4	9	28.0	256	1.7	18 155	1.5	228	1.8	10 054	1.7
Trimble -----	19	6.8	151	5.5	344	1.3	9 918	1.5	307	1.4	5 204	1.8
Union -----	7	8.5	1 342	.1	223	1.3	20 512	1.1	209	1.4	10 418	1.1
Warren -----	30	6.5	143	3.4	1 371	1.7	76 751	1.6	1 182	1.8	32 414	2.0
Washington -----	27	5.5	83	6.0	838	1.1	44 394	1.2	658	1.2	18 255	1.4
Wayne -----	24	6.4	69	7.0	567	1.1	26 309	1.2	475	1.2	12 180	1.4
Webster -----	2	14.4	(D)	(D)	223	1.6	11 522	1.7	198	1.7	5 529	1.8
Whitley -----	7	12.8	134	33.7	245	1.6	6 925	2.7	205	1.9	3 102	2.9
Wolfe -----	16	9.1	73	10.4	119	3.0	2 479	3.9	93	3.4	1 208	4.3
Woodford -----	22	4.5	743	1.6	372	1.2	28 832	1.1	290	1.5	(D)	(D)
Livestock and poultry —Con.												
Geographic area	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
	Kentucky -----	4 984	.8	186 089	.4	4 879	1.0	782 408	.4	1 032	1.4	37 729
Adair -----	163	2.4	7 310	1.4	70	4.4	3 690	5.5	3	12.5	(D)	(D)
Allen -----	94	3.8	1 346	3.5	114	3.6	32 511	.8	20	8.2	404	12.9
Anderson -----	43	4.1	1 519	2.4	9	11.5	212	27.1	4	11.3	67	13.6
Ballard -----	10	5.0	933	.1	40	3.8	19 112	.6	5	14.3	164	13.3
Barren -----	224	2.2	10 901	1.1	90	4.0	7 372	2.3	15	10.5	267	10.8
Bath -----	54	3.1	1 932	2.2	22	6.9	664	16.5	1	39.5	(D)	(D)
Bell -----	1	49.0	(D)	(D)	1	43.3	(D)	(D)	—	—	—	—
Boone -----	29	4.4	750	2.7	38	4.9	1 321	3.8	13	8.3	314	9.6
Bourbon -----	22	6.0	589	2.1	41	3.7	8 226	1.2	27	5.8	5 728	5.2
Boyd -----	—	—	—	—	3	19.0	88	22.8	2	20.4	(D)	(D)
Boyle -----	42	4.5	1 589	3.0	17	7.6	3 254	2.6	6	12.7	298	18.3
Bracken -----	65	3.0	2 076	2.5	24	6.4	892	14.5	6	13.1	26	15.0
Breathitt -----	17	8.6	40	9.6	20	8.1	287	10.5	2	16.7	(D)	(D)
Breckinridge -----	36	5.1	435	6.1	143	2.4	37 542	1.1	17	7.9	665	16.1
Bullitt -----	17	5.8	886	.9	52	3.9	4 453	7.1	6	13.0	134	16.9
Butler -----	22	8.3	426	7.7	97	3.8	14 159	3.3	3	19.2	(D)	(D)
Caldwell -----	20	6.7	886	4.7	38	3.8	16 859	1.0	10	10.1	209	8.0
Calloway -----	16	5.3	1 632	.8	52	4.1	11 698	2.2	3	13.7	(D)	(D)
Campbell -----	12	9.0	221	12.2	38	4.4	1 191	6.3	11	9.0	172	12.9
Carlisle -----	15	3.7	962	1.5	49	3.3	16 384	1.0	15	7.7	237	12.2
Carroll -----	10	8.4	204	5.4	12	8.1	2 018	10.5	4	15.6	186	19.3
Carter -----	29	6.4	337	6.5	27	7.2	458	20.7	3	19.9	(D)	(D)
Casey -----	119	2.5	3 529	1.8	85	3.4	13 117	3.3	2	26.1	(D)	(D)
Christian -----	29	5.6	521	5.8	84	3.1	20 315	1.6	8	12.2	188	8.4
Clark -----	19	6.6	237	2.6	25	5.3	1 124	2.3	11	8.9	552	8.8
Clay -----	9	13.1	99	25.5	21	6.8	811	8.4	3	20.1	(D)	(D)
Clinton -----	43	4.6	1 189	3.6	43	5.7	1 894	6.7	5	11.3	200	18.8
Crittenden -----	46	4.6	455	5.1	77	3.4	9 382	4.8	8	12.3	176	15.8
Cumberland -----	33	5.2	689	3.5	48	5.1	914	6.7	1	45.3	(D)	(D)
Daviess -----	26	5.0	1 336	1.6	74	3.3	21 297	1.8	30	5.5	805	3.5
Edmonson -----	59	3.8	2 175	2.7	60	4.1	14 339	2.2	5	13.0	225	25.1
Elliott -----	13	9.6	24	11.1	11	11.3	44	14.2	4	19.9	124	25.7
Estill -----	12	10.4	66	21.8	37	5.9	1 094	8.6	4	19.0	(D)	(D)
Fayette -----	11	10.2	(D)	(D)	12	8.9	2 157	4.8	18	7.4	2 995	2.5

See footnotes at end of table.

## C-28 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Livestock and poultry —Con.											
	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Relative standard error of estimate (percent)	
Fleming -----	173	1.8	7 939	1.1	35	4.9	2 195	11.4	16	6.8	333	12.6
Floyd -----	9	11.5	11	13.2	13	9.3	144	16.3	1	42.8	(D)	(D)
Franklin -----	13	8.2	204	6.0	15	7.0	787	2.2	14	8.5	414	13.5
Fulton -----	—	—	—	—	13	5.4	2 145	7.3	4	15.3	133	17.2
Gallatin -----	7	6.5	372	2.6	1	36.4	(D)	(D)	6	13.9	339	18.6
Garrard -----	48	3.5	1 428	2.4	42	4.2	2 775	.8	9	10.8	57	15.8
Grant -----	20	7.0	422	7.9	27	7.0	742	4.5	17	9.0	263	11.9
Graves -----	42	3.6	1 453	1.4	92	2.7	26 176	1.2	13	8.6	339	13.0
Grayson -----	97	2.7	3 843	1.5	150	2.5	33 807	1.6	17	7.5	359	8.9
Green -----	116	2.9	4 395	2.2	46	5.4	1 945	3.3	1	41.0	(D)	(D)
Greenup -----	28	6.4	321	6.5	22	8.1	252	15.5	3	22.4	3	22.4
Hancock -----	7	13.0	14	13.7	30	5.1	7 900	1.9	10	8.8	177	9.5
Hardin -----	96	2.5	3 887	1.2	205	2.2	21 317	2.5	45	4.8	1 307	7.8
Harlan -----	3	20.0	(D)	(D)	1	47.1	(D)	(D)	1	47.1	(D)	(D)
Harrison -----	44	4.4	866	4.0	25	5.8	2 000	4.5	18	6.9	746	6.0
Hart -----	197	2.0	6 336	1.4	100	3.5	5 486	6.8	21	7.0	482	20.6
Henderson -----	5	13.7	25	3.9	71	3.4	8 088	3.5	15	8.1	282	5.6
Henry -----	76	3.1	3 931	1.5	25	8.0	1 270	8.3	12	11.8	481	16.2
Hickman -----	5	6.3	345	2.4	21	5.5	4 825	5.4	7	9.0	274	7.5
Hopkins -----	4	14.5	13	19.1	45	3.9	26 666	.5	11	9.3	382	14.4
Jackson -----	46	5.2	1 022	5.3	35	6.0	1 193	4.1	6	15.2	87	22.9
Jefferson -----	13	6.1	456	1.4	19	7.5	1 037	7.9	12	9.0	240	11.8
Jessamine -----	21	6.4	286	2.8	13	8.6	321	10.7	15	8.6	524	13.6
Johnson -----	7	13.2	30	14.5	16	9.5	162	12.7	2	25.7	(D)	(D)
Kenton -----	12	7.9	417	5.0	23	6.1	585	8.1	8	11.5	114	14.7
Knott -----	5	14.9	13	23.4	4	18.7	(D)	(D)	2	23.6	(D)	(D)
Knox -----	20	7.9	146	4.3	31	6.4	669	22.2	3	24.7	(D)	(D)
Larue -----	69	2.7	4 046	1.1	71	3.4	5 586	4.1	16	8.5	418	10.7
Laurel -----	55	3.9	1 088	4.6	37	5.1	1 337	3.4	13	9.3	293	4.3
Lawrence -----	20	7.2	87	7.4	14	9.1	136	14.5	3	22.3	(D)	(D)
Lee -----	6	12.2	58	6.8	17	8.5	197	13.3	1	47.1	(D)	(D)
Leslie -----	—	—	—	—	1	37.3	(D)	(D)	—	—	—	—
Letcher -----	2	29.3	(D)	(D)	5	14.6	116	16.2	2	29.3	(D)	(D)
Lewis -----	81	2.5	2 625	2.3	21	6.4	282	7.0	3	13.7	(D)	(D)
Lincoln -----	127	2.2	5 376	1.5	44	4.9	1 343	3.7	5	17.1	65	20.7
Livingston -----	6	9.4	549	1.6	51	4.1	9 575	2.7	9	11.1	234	14.2
Logan -----	74	2.8	3 870	1.4	89	2.9	32 162	.8	9	13.5	295	18.1
Lyon -----	5	15.0	99	21.1	27	4.4	5 361	2.7	2	16.3	(D)	(D)
McCracken -----	9	6.6	554	1.1	16	5.9	2 963	2.8	3	16.2	27	15.6
McCreary -----	9	11.1	14	10.6	9	12.6	126	32.0	1	34.0	(D)	(D)
McLean -----	11	9.5	124	6.0	82	2.6	28 787	1.1	7	11.5	65	13.6
Madison -----	33	5.0	625	3.6	37	5.0	1 646	4.1	8	11.0	203	13.5
Magoffin -----	17	9.1	39	11.2	12	11.1	45	11.4	—	—	—	—
Marion -----	111	2.3	5 946	1.0	77	4.2	13 826	2.8	11	11.1	218	9.8
Marshall -----	5	14.2	32	16.5	43	4.1	8 064	1.3	2	24.7	(D)	(D)
Martin -----	—	—	—	—	2	—	(D)	(D)	—	—	—	—
Mason -----	108	2.0	5 273	1.3	37	5.0	2 079	3.8	15	8.9	232	14.2
Meade -----	31	5.7	530	4.4	94	3.2	14 462	1.5	16	8.8	519	8.7
Menifee -----	14	9.3	221	7.0	13	8.2	801	9.6	1	44.3	(D)	(D)
Mercer -----	84	2.1	4 032	1.2	36	4.9	1 512	5.9	22	6.7	862	12.1
Metcalfe -----	133	3.1	5 439	2.0	50	5.6	2 468	4.2	7	14.5	253	25.6
Monroe -----	89	2.9	5 415	1.5	50	5.6	1 676	11.5	2	20.8	(D)	(D)
Montgomery -----	33	4.3	1 003	3.0	10	11.1	64	13.7	10	9.9	268	16.3
Morgan -----	30	7.1	132	6.4	19	8.7	113	15.6	4	20.0	11	19.2
Muhlenberg -----	7	11.3	212	7.1	44	4.5	7 520	1.6	4	18.0	87	22.9
Nelson -----	137	1.8	7 852	.9	107	2.7	31 030	1.1	13	9.2	703	12.4
Nicholas -----	17	5.8	350	2.6	15	7.8	530	7.0	5	15.2	64	20.8
Ohio -----	19	7.5	119	10.2	107	2.9	9 957	3.3	23	7.4	397	10.8
Oldham -----	25	4.6	1 485	2.5	13	7.7	3 516	2.9	9	8.9	365	3.0
Owen -----	44	4.3	1 405	2.8	14	8.3	139	7.4	10	9.9	824	4.9
Owsley -----	7	15.9	52	28.3	12	11.3	234	15.6	1	43.5	(D)	(D)
Pendleton -----	39	4.3	1 013	3.8	27	5.8	908	4.2	12	9.0	541	15.9
Perry -----	2	34.9	(D)	(D)	5	16.4	36	16.9	—	—	—	—
Pike -----	5	18.4	6	19.8	2	33.3	(D)	(D)	—	—	—	—
Powell -----	7	12.3	20	13.0	17	8.5	448	9.0	1	39.3	(D)	(D)
Pulaski -----	160	2.1	5 114	1.3	71	3.7	2 795	5.0	21	6.4	409	17.5
Robertson -----	20	6.6	526	7.1	2	26.0	(D)	(D)	3	18.3	(D)	(D)
Rockcastle -----	56	3.7	1 215	2.9	17	8.9	114	13.1	6	14.7	143	20.0
Rowan -----	9	12.6	115	18.9	23	8.1	579	6.2	2	21.1	(D)	(D)
Russell -----	93	2.9	3 371	1.8	38	5.6	3 998	2.8	14	8.3	148	14.8
Scott -----	11	8.4	247	2.4	16	7.6	2 162	3.0	25	5.7	1 339	10.6
Shelby -----	148	1.7	8 712	.9	33	4.7	12 496	.4	30	5.8	1 500	7.1
Simpson -----	24	4.9	1 286	1.8	40	4.2	14 633	1.3	4	19.6	12	23.4
Spencer -----	75	2.3	4 754	1.1	25	6.0	1 451	9.0	9	9.1	45	11.5
Taylor -----	74	3.1	3 386	2.0	55	4.3	9 612	3.0	4	20.0	47	32.1
Todd -----	40	2.4	2 401	.1	79	3.1	21 293	1.7	8	11.6	122	17.4
Trigg -----	5	14.0	115	9.2	39	4.6	10 440	1.7	3	17.5	42	17.4
Trimble -----	19	5.2	535	3.8	11	9.5	301	13.8	5	11.5	96	14.7
Union -----	6	9.4	21	4.1	69	2.4	44 265	.7	4	16.7	116	12.7
Warren -----	101	3.3	4 726	1.7	142	3.3	20 143	2.6	20	7.8	654	9.6

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-29

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Livestock and poultry —Con.											
	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Relative standard error of estimate (percent)	
Washington -----	118	2.3	4 781	1.4	21	6.2	2 219	5.5	23	6.4	1 087	4.8
Wayne -----	41	4.0	1 166	1.6	72	3.5	14 375	1.5	14	8.6	545	11.0
Webster -----	8	11.6	29	19.6	52	3.7	7 889	3.1	10	10.1	805	13.5
Whitley -----	22	6.9	114	7.7	25	6.7	243	12.5	2	23.8	(D)	(D)
Wolfe -----	6	13.8	25	14.8	20	7.6	128	5.6	1	45.2	(D)	(D)
Woodford -----	3	15.9	(D)	(D)	8	10.0	343	8.7	10	11.6	520	16.0
Livestock and poultry —Con.												
Geographic area	Hens and pullets of laying age inventory				Broilers and other meat-type chickens sold							
	Farms		Total		Farms		Total					
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Relative standard error of estimate (percent)	
Kentucky -----	3 061	1.2	2 374 849	.2	110	2.1	27 623 677	.7				
Adair -----	50	5.1	1 202	7.6	—	—	—	—	—	—	—	
Allen -----	83	4.3	3 169	17.7	2	32.2	(D)	(D)	—	—	—	
Anderson -----	26	6.5	416	7.6	—	—	—	—	—	—	—	
Ballard -----	10	10.0	211	15.5	10	—	3 507 170	—	—	—	—	
Barren -----	76	4.7	1 466	6.0	—	—	—	—	—	—	—	
Bath -----	26	6.5	381	7.1	—	—	—	—	—	—	—	
Bell -----	1	49.0	(D)	(D)	—	—	—	—	—	—	—	
Boone -----	31	5.2	1 601	8.6	—	—	—	—	—	—	—	
Bourbon -----	19	7.2	417	7.4	—	—	—	—	—	—	—	
Boyd -----	11	9.1	(D)	(D)	—	—	—	—	—	—	—	
Boyle -----	22	7.1	431	14.0	—	—	—	—	—	—	—	
Bracken -----	20	6.7	284	8.4	2	17.7	(D)	(D)	—	—	—	
Breathitt -----	30	6.7	472	7.5	—	—	—	—	—	—	—	
Breckinridge -----	44	5.1	792	6.3	1	32.4	(D)	(D)	—	—	—	
Bullitt -----	24	6.8	518	10.8	1	38.4	(D)	(D)	—	—	—	
Butler -----	28	7.2	460	9.7	—	—	—	—	—	—	—	
Caldwell -----	21	7.2	515	11.8	—	—	—	—	—	—	—	
Calloway -----	8	11.8	(D)	(D)	4	—	1 841 800	—	—	—	—	
Campbell -----	21	6.7	498	9.4	—	—	—	—	—	—	—	
Carlisle -----	6	13.8	120	16.0	3	—	(D)	(D)	—	—	—	
Carroll -----	8	11.0	72	11.8	—	—	—	—	—	—	—	
Carter -----	42	5.6	(D)	(D)	—	—	—	—	—	—	—	
Casey -----	83	3.8	1 640	4.8	1	37.0	(D)	(D)	—	—	—	
Christian -----	33	6.0	(D)	(D)	1	—	(D)	(D)	—	—	—	
Clark -----	27	6.0	299	7.7	1	31.9	(D)	(D)	—	—	—	
Clay -----	23	8.1	369	10.6	—	—	—	—	—	—	—	
Clinton -----	19	8.8	369	11.8	—	—	—	—	—	—	—	
Crittenden -----	44	4.9	1 039	6.3	2	27.3	(D)	(D)	—	—	—	
Cumberland -----	33	6.4	650	9.7	—	—	—	—	—	—	—	
Daviess -----	24	7.1	370	8.2	1	37.9	(D)	(D)	—	—	—	
Edmonson -----	20	7.8	382	9.6	6	9.1	164 005	11.7	—	—	—	
Elliott -----	17	8.4	230	9.2	—	—	—	—	—	—	—	
Estill -----	28	7.2	441	9.7	—	—	—	—	—	—	—	
Fayette -----	13	9.9	(D)	(D)	1	—	(D)	(D)	—	—	—	
Fleming -----	36	5.6	837	6.2	1	37.6	(D)	(D)	—	—	—	
Floyd -----	12	10.6	203	14.1	—	—	—	—	—	—	—	
Franklin -----	20	7.2	344	9.2	—	—	—	—	—	—	—	
Fulton -----	7	6.6	(D)	(D)	—	—	—	—	—	—	—	
Gallatin -----	13	10.0	298	13.2	1	42.0	(D)	(D)	—	—	—	
Garrard -----	22	7.3	555	9.5	—	—	—	—	—	—	—	
Grant -----	32	6.3	730	8.8	—	—	—	—	—	—	—	
Graves -----	19	7.7	(D)	(D)	30	1.5	13 895 553	1.3	—	—	—	
Grayson -----	55	4.6	901	5.8	—	—	—	—	—	—	—	
Green -----	31	6.9	471	8.2	10	9.7	527 700	4.7	—	—	—	
Greenup -----	29	6.7	(D)	(D)	—	—	—	—	—	—	—	
Hancock -----	16	8.2	230	8.3	—	—	—	—	—	—	—	
Hardin -----	86	3.6	(D)	(D)	1	36.2	(D)	(D)	—	—	—	
Harlan -----	—	—	—	—	—	—	—	—	—	—	—	
Harrison -----	40	5.4	1 026	7.4	—	—	—	—	—	—	—	
Hart -----	64	4.3	1 368	6.2	1	42.7	(D)	(D)	—	—	—	
Henderson -----	6	15.3	90	16.9	—	—	—	—	—	—	—	
Henry -----	25	7.2	440	7.6	—	—	—	—	—	—	—	
Hickman -----	4	13.2	(D)	(D)	6	—	2 428 000	—	—	—	—	
Hopkins -----	20	7.2	333	8.3	—	—	—	—	—	—	—	
Jackson -----	39	6.1	653	9.2	—	—	—	—	—	—	—	
Jefferson -----	26	6.5	505	8.7	1	33.8	(D)	(D)	—	—	—	
Jessamine -----	35	5.5	561	6.1	—	—	—	—	—	—	—	
Johnson -----	13	10.4	308	11.0	—	—	—	—	—	—	—	
Kenton -----	19	7.2	(D)	(D)	1	—	(D)	(D)	—	—	—	
Knott -----	11	9.8	356	12.9	—	—	—	—	—	—	—	
Knox -----	34	6.5	678	8.7	—	—	—	—	—	—	—	
Larue -----	26	6.1	422	7.6	1	35.7	(D)	(D)	—	—	—	
Laurel -----	39	5.4	607	8.0	—	—	—	—	—	—	—	
Lawrence -----	22	6.6	(D)	(D)	—	—	—	—	—	—	—	

See footnotes at end of table.

## C-30 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Livestock and poultry —Con.											
	Hens and pullets of laying age inventory					Broilers and other meat-type chickens sold						
	Farms		Total			Farms		Total				
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)		
Lee -----	10	10.8	156	14.4	—	—	—	—	—	—		
Leslie -----	2	30.5	(D)	(D)	—	—	—	—	—	—		
Letcher -----	4	18.2	180	25.0	—	—	—	—	—	—		
Lewis -----	33	4.8	658	5.7	3	16.2	13	—	15.4	—		
Lincoln -----	54	4.6	965	5.2	—	—	—	—	—	—		
Livingston -----	13	9.6	6 (D)	(D)	1	—	(D)	(D)	—	—		
Logan -----	31	6.3	131	20.1	—	—	—	—	—	—		
Lyon -----	9	10.4	523	22.5	—	—	—	—	—	—		
McCracken -----	15	7.8	(D)	(D)	2	—	(D)	(D)	—	—		
McCreary -----	9	12.9	162	16.3	—	—	—	—	—	—		
McLean -----	9	10.9	119	20.5	—	—	—	—	—	—		
Madison -----	49	4.5	609	6.2	—	—	—	—	—	—		
Magoffin -----	35	6.2	653	7.5	—	—	—	—	—	—		
Marion -----	26	7.1	481	11.5	—	—	—	—	—	—		
Marshall -----	17	7.9	481	7.0	6	—	3 799	626	—	—		
Martin -----	1	—	(D)	(D)	—	—	—	—	—	—		
Mason -----	17	7.2	359	8.6	—	—	—	—	—	—		
Meade -----	29	6.4	527	7.1	—	—	—	—	—	—		
Menifee -----	13	9.4	395	15.3	—	—	—	—	—	—		
Mercer -----	34	5.5	889	8.0	—	—	—	—	—	—		
Metcalfe -----	40	6.2	736	7.9	—	—	—	—	—	—		
Monroe -----	17	9.2	484	11.2	—	—	—	—	—	—		
Montgomery -----	23	7.0	246	7.9	—	—	—	—	—	—		
Morgan -----	43	5.6	704	8.0	—	—	—	—	—	—		
Muhlenberg -----	18	7.0	(D)	(D)	1	36.6	(D)	(D)	—	—		
Nelson -----	47	4.8	669	5.3	1	40.3	(D)	(D)	—	—		
Nicholas -----	30	6.1	513	7.3	1	33.2	(D)	(D)	—	—		
Ohio -----	28	6.8	579	8.8	1	37.4	(D)	(D)	—	—		
Oldham -----	11	10.6	283	14.7	—	—	—	—	—	—		
Owen -----	17	8.7	219	8.8	—	—	—	—	—	—		
Owsley -----	10	12.6	114	14.8	—	—	—	—	—	—		
Pendleton -----	31	5.2	885	6.8	—	—	—	—	—	—		
Perry -----	3	22.2	(D)	(D)	—	—	—	—	—	—		
Pike -----	6	16.3	178	25.8	—	—	—	—	—	—		
Powell -----	16	7.9	330	9.9	—	—	—	—	—	—		
Pulaski -----	82	3.5	(D)	(D)	—	—	—	—	—	—		
Robertson -----	20	7.1	342	8.0	—	—	—	—	—	—		
Rockcastle -----	23	7.2	573	16.0	—	—	—	—	—	—		
Rowan -----	11	12.9	194	15.1	—	—	—	—	—	—		
Russell -----	28	6.9	387	11.0	—	—	—	—	—	—		
Scott -----	32	5.8	1 009	10.0	—	—	—	—	—	—		
Shelby -----	34	5.6	715	8.0	1	34.8	(D)	(D)	—	—		
Simpson -----	8	12.8	453	21.7	—	—	—	—	—	—		
Spencer -----	18	7.0	497	5.3	—	—	—	—	—	—		
Taylor -----	29	6.7	796	13.5	2	26.9	(D)	(D)	—	—		
Todd -----	25	5.3	812	(L)	—	—	—	—	—	—		
Trigg -----	17	8.2	226	9.3	—	—	—	—	—	—		
Trimble -----	20	5.9	348	7.7	—	—	—	—	—	—		
Union -----	2	20.6	(D)	(D)	—	—	—	—	—	—		
Warren -----	49	6.0	650	7.6	—	—	—	—	—	—		
Washington -----	26	6.7	294	8.0	1	36.9	(D)	(D)	—	—		
Wayne -----	45	4.4	79	(L)	1	—	—	—	—	—		
Webster -----	13	8.4	250	8.7	—	—	—	—	—	—		
Whitley -----	24	6.7	505	8.7	—	—	—	—	—	—		
Wolfe -----	24	6.9	360	7.5	—	—	—	—	—	—		
Woodford -----	9	11.2	174	13.3	—	—	—	—	—	—		
Geographic area	Selected crops harvested											
	Corn for grain or seed					Corn for silage or green chop						
	Farms		Acres		Quantity		Farms		Acres			
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)		
Kentucky -----	16 945	.9	1 166	234	.3	.3	3 855	.7	105 077	.5	1 733 554	.4
Adair -----	268	2.2	8 561	1.5	784 151	1.4	106	3.0	2 995	1.8	43 715	2.1
Allen -----	180	2.9	3 875	3.1	405 340	3.2	16	6.3	295	4.2	4 495	4.4
Anderson -----	23	6.3	460	3.2	48 634	3.0	21	4.8	653	2.7	10 236	2.5
Ballard -----	130	1.9	19 197	.5	2 369 158	.5	14	3.6	729	.6	13 374	.3
Barren -----	423	2.1	14 607	1.6	1 688 385	1.4	104	2.6	3 199	1.7	56 432	1.3
Bath -----	164	2.2	3 573	2.4	355 380	2.3	59	3.0	1 189	2.1	18 998	2.1
Bell -----	9	12.9	42	18.7	3 150	18.6	—	—	—	—	—	—
Boone -----	90	2.9	2 474	2.9	295 131	2.7	34	3.9	643	2.4	10 103	2.7
Bourbon -----	229	1.7	9 470	1.4	1 064 192	.8	62	2.5	1 617	1.0	30 639	.9
Boyd -----	29	6.1	233	7.3	24 637	7.7	2	23.6	(D)	(D)	(D)	(D)
Boyle -----	76	2.8	3 243	1.6	318 761	1.7	74	2.7	1 989	1.9	36 042	1.8
Bracken -----	63	3.8	892	3.9	93 183	4.1	33	3.9	872	3.0	16 481	2.9
Breathitt -----	50	4.7	312	5.3	19 121	5.2	6	13.0	263	13.5	1 209	12.9
Breckinridge -----	342	1.6	19 831	1.2	2 212 013	1.0	28	4.7	665	3.8	11 229	3.2

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-31

**Table F. Reliability Estimates for the State and County Totals: 1992 — Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Selected crops harvested											
	Corn for grain or seed						Corn for silage or green chop					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, green	Relative standard error of estimate (percent)
Bullitt -----	86	2.8	2 528	3.0	238 539	2.9	21	5.8	648	3.5	7 542	2.4
Butler -----	194	2.7	16 667	2.1	2 013 523	1.9	7	9.6	224	5.7	4 318	5.0
Caldwell -----	158	2.1	17 597	1.3	2 295 658	1.1	17	5.0	703	1.8	11 312	1.8
Calloway -----	259	1.6	38 055	.7	4 236 497	.7	16	6.2	581	5.3	8 555	5.7
Campbell -----	67	3.2	775	5.0	64 559	4.9	18	5.9	239	5.7	3 300	6.1
Carlisle -----	133	1.8	21 238	.9	2 680 849	.9	16	3.3	627	2.6	7 662	2.5
Carroll -----	48	3.8	952	4.7	89 831	5.4	9	6.2	183	1.6	3 421	1.3
Carter -----	94	3.2	982	5.5	92 640	4.9	20	6.0	262	5.3	4 412	3.9
Casey -----	265	1.9	4 519	1.4	422 825	1.3	75	2.9	1 825	2.0	34 888	1.8
Christian -----	330	1.4	51 984	.8	7 035 587	.5	18	6.1	461	9.2	7 704	8.5
Clark -----	114	2.4	2 683	1.8	284 884	2.1	25	3.7	482	2.5	7 374	2.3
Clay -----	60	4.5	764	5.9	64 228	5.9	3	18.5	(D)	(D)	(D)	(D)
Clinton -----	54	4.5	644	4.0	57 485	3.3	30	4.5	553	4.0	8 796	4.0
Crittenden -----	151	2.1	10 916	2.1	1 192 977	1.9	17	6.1	342	1.8	5 476	1.2
Cumberland -----	91	3.5	1 528	5.5	134 238	5.9	9	8.7	156	4.3	2 349	3.7
Daviess -----	512	1.2	78 635	.4	10 934 566	.4	26	3.8	1 332	3.0	25 560	2.3
Edmonson -----	115	2.9	3 584	2.9	344 768	3.0	14	8.1	610	4.7	8 825	2.9
Elliott -----	54	5.1	387	8.9	35 915	9.9	8	14.8	88	19.8	1 114	18.5
Estill -----	93	3.6	1 890	4.3	160 944	4.0	16	9.3	177	10.5	1 337	11.3
Fayette -----	72	2.9	4 024	1.3	503 723	1.2	26	4.2	978	1.2	19 112	1.2
Fleming -----	331	1.6	6 717	1.6	666 257	1.7	152	1.9	3 458	1.3	57 500	1.3
Floyd -----	27	6.2	313	18.0	22 435	19.8	1	—	(D)	(D)	(D)	(D)
Franklin -----	54	4.0	1 040	4.2	118 865	4.7	21	6.1	274	5.1	3 967	5.7
Fulton -----	85	1.3	20 955	.3	2 988 098	.3	3	9.6	(D)	(D)	(D)	(D)
Gallatin -----	20	6.4	333	5.0	31 650	5.1	6	8.8	221	.6	4 246	.5
Garrard -----	80	2.8	1 438	1.8	139 621	2.0	52	2.6	1 285	3.8	20 619	1.6
Grant -----	61	4.5	724	3.7	68 827	4.3	22	6.6	303	6.3	4 953	5.7
Graves -----	388	1.3	47 026	.8	5 901 958	.7	36	3.4	1 212	2.6	16 951	2.9
Grayson -----	317	1.7	15 863	1.4	1 645 919	1.3	47	2.9	1 660	2.2	27 258	1.8
Green -----	236	2.5	5 453	2.3	547 935	2.3	49	4.0	1 075	3.0	17 350	2.5
Greenup -----	125	3.1	1 869	5.0	174 204	6.1	19	7.8	266	9.4	3 729	7.4
Hancock -----	117	2.5	7 211	1.7	949 196	1.6	5	11.8	75	12.4	1 455	12.4
Hardin -----	469	1.4	28 049	1.0	3 143 659	.9	87	2.3	2 596	1.2	43 353	1.2
Harlan -----	7	9.5	172	3.9	17 340	4.7	—	—	—	—	—	—
Harrison -----	160	2.1	3 598	1.7	430 892	1.6	36	4.5	859	2.4	14 251	2.6
Hart -----	309	1.8	5 817	1.6	543 417	1.5	73	2.7	1 838	2.0	30 834	2.3
Henderson -----	323	1.2	67 850	.5	9 343 148	.5	11	5.8	272	6.8	5 100	9.7
Henry -----	196	2.7	7 049	1.9	740 407	1.6	61	3.3	2 177	2.2	36 424	2.0
Hickman -----	124	1.7	26 255	.6	3 343 847	.6	5	—	254	—	5 300	—
Hopkins -----	219	1.8	27 407	1.2	3 246 053	1.0	7	10.1	177	17.7	3 746	22.3
Jackson -----	102	3.8	957	4.3	84 909	4.9	28	6.1	706	4.4	7 977	2.4
Jefferson -----	41	4.5	1 506	5.4	151 818	5.1	11	9.3	142	5.7	1 649	7.7
Jessamine -----	63	3.4	1 213	3.5	147 651	3.8	15	6.7	391	7.2	7 316	5.6
Johnson -----	36	5.7	301	11.2	27 028	12.0	—	—	—	—	—	—
Kenton -----	42	4.4	454	3.9	40 841	4.4	19	6.6	210	6.6	2 750	5.6
Knott -----	9	11.0	85	12.7	6 710	22.9	—	—	—	—	—	—
Knox -----	55	4.6	975	4.1	95 210	3.7	5	14.6	200	5.2	4 050	2.3
Larue -----	226	1.6	12 670	1.4	1 415 979	1.3	62	2.7	2 163	.9	39 660	.8
Laurel -----	124	2.6	1 415	3.4	113 357	3.6	60	3.4	1 320	3.5	18 579	3.5
Lawrence -----	42	4.7	377	6.8	28 742	6.5	5	13.3	46	17.4	471	18.1
Lee -----	37	5.5	286	6.8	18 321	6.9	3	16.5	50	14.9	360	20.7
Leslie -----	5	12.2	(D)	(D)	(D)	(D)	—	—	(D)	(D)	(D)	(D)
Letcher -----	11	9.5	27	11.3	2 180	11.4	1	43.3	(D)	(D)	(D)	(D)
Lewis -----	194	1.8	3 598	2.1	341 293	2.0	41	3.6	730	3.4	8 146	3.6
Lincoln -----	247	1.8	8 453	1.1	930 596	1.1	146	2.0	3 598	1.6	57 055	1.5
Livingston -----	72	3.0	7 826	1.9	808 152	2.2	16	6.3	513	5.2	7 912	4.3
Logan -----	393	1.5	47 040	.6	6 725 412	.6	55	3.0	2 067	3.3	38 689	3.4
Lyon -----	57	3.2	4 200	1.9	475 373	1.5	4	14.5	111	11.5	1 800	13.7
McCracken -----	101	2.5	9 776	1.3	1 267 797	1.2	8	6.1	310	1.4	7 810	1.1
McCreary -----	7	14.3	32	15.0	1 685	13.2	1	—	(D)	(D)	(D)	(D)
McLean -----	246	1.4	45 963	.5	6 368 498	.5	13	6.0	212	6.9	2 638	7.5
Madison -----	166	2.1	3 539	1.8	339 745	1.7	56	2.8	1 511	1.3	25 471	1.4
Magoffin -----	89	3.9	669	5.9	49 939	6.1	5	12.8	226	18.2	2 560	16.0
Marion -----	267	2.4	8 591	1.7	961 047	1.7	126	2.6	3 519	1.5	59 401	1.3
Marshall -----	116	2.4	12 409	1.1	1 386 739	1.2	3	14.3	130	15.0	1 700	23.5
Martin -----	2	15.0	(D)	(D)	(D)	(D)	1	47.1	(D)	(D)	(D)	(D)
Mason -----	250	1.7	5 827	1.3	628 026	1.3	104	2.2	2 378	1.3	40 320	1.4
Meade -----	183	2.4	10 280	1.6	1 177 344	1.5	23	5.8	554	4.3	11 490	4.7
Menifee -----	43	4.8	270	4.7	21 254	4.1	7	4.6	95	2.4	1 950	2.3
Mercer -----	114	2.2	3 736	1.6	398 201	1.7	102	1.9	3 357	1.5	51 713	1.8
Metcalfe -----	193	2.9	4 039	3.1	393 363	3.3	35	3.6	1 117	1.8	17 813	2.3
Monroe -----	125	3.1	3 641	3.1	381 595	2.9	59	2.7	2 306	1.2	40 392	1.1
Montgomery -----	131	2.4	2 347	2.1	232 511	2.2	52	3.5	826	2.4	14 786	2.3
Morgan -----	101	3.7	1 063	4.4	94 350	4.2	14	7.5	206	9.2	2 208	12.0
Muhlenberg -----	162	2.2	14 612	1.5	1 686 377	1.4	13	7.7	337	13.8	7 395	18.0
Nelson -----	244	1.7	10 655	1.3	1 139 166	1.4	86	1.9	3 633	1.0	57 946	1.0
Nicholas -----	80	2.9	1 285	2.4	117 041	2.3	27	4.4	497	4.2	9 217	4.3
Ohio -----	261	1.8	26 136	.9	3 141 415	.9	23	5.9	424	5.2	5 935	4.9
Oldham -----	60	2.7	4 943	1.6	625 383	1.4	31	3.7	996	2.5	17 179	3.3
Owen -----	57	4.0	1 089	3.1	101 957	2.8	12	5.3	437	6.4	6 260	1.2

See footnotes at end of table.

## C-32 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Selected crops harvested											
	Corn for grain or seed								Corn for silage or green chop			
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, green	Relative standard error of estimate (percent)
Owsley -----	33	6.7	192	8.7	16 435	9.5	5	17.1	73	20.5	1 368	20.6
Pendleton -----	59	3.4	1 092	2.4	124 860	1.9	22	4.5	396	3.1	4 083	3.2
Perry -----	9	11.7	61	18.8	4 730	21.9	—	—	—	—	—	—
Pike -----	19	7.7	203	6.9	14 030	7.7	—	—	—	—	—	—
Powell -----	46	4.8	1 536	6.2	156 030	6.8	2	27.8	(D)	(D)	(D)	(D)
Pulaski -----	294	1.6	8 590	1.4	895 222	1.5	140	1.9	4 038	1.3	71 677	1.3
Robertson -----	22	6.3	204	5.7	18 392	5.2	5	14.2	89	11.8	1 610	12.9
Rockcastle -----	101	3.0	1 307	3.3	117 530	3.6	40	4.6	706	5.0	12 454	4.9
Rowan -----	70	4.3	1 066	8.1	97 371	8.5	10	10.2	73	10.9	1 286	11.3
Russell -----	153	2.7	4 663	2.3	492 064	2.3	68	3.1	1 790	2.4	25 300	2.0
Scott -----	112	2.1	2 742	1.9	282 845	2.0	22	3.4	545	.8	7 739	1.2
Shelby -----	281	1.6	12 478	.9	1 468 182	.8	148	1.6	4 963	1.0	88 136	1.1
Simpson -----	220	1.7	27 629	.8	3 681 874	.7	19	6.0	713	6.8	12 928	7.3
Spencer -----	124	2.2	5 121	1.8	581 017	1.7	50	3.0	1 469	1.9	19 983	1.7
Taylor -----	267	2.1	10 194	2.2	1 067 535	2.3	89	3.1	2 085	2.3	32 692	2.5
Todd -----	254	1.5	33 941	.6	4 376 276	.6	41	1.7	1 532	.9	27 174	.6
Trigg -----	119	2.4	13 118	1.2	1 655 585	1.1	17	5.9	316	4.4	4 565	4.1
Trimble -----	77	3.1	1 848	2.8	173 745	2.6	7	9.0	118	8.0	2 044	7.8
Union -----	241	1.2	80 864	.4	12 036 837	.3	27	2.7	800	2.5	12 849	2.8
Warren -----	349	2.3	22 514	1.3	2 777 321	1.2	51	3.6	1 628	2.3	30 429	2.4
Washington -----	131	2.4	4 039	1.7	404 116	1.6	83	2.7	2 346	2.9	32 934	1.7
Wayne -----	129	2.4	3 610	2.8	418 031	2.7	39	3.6	980	2.6	16 796	2.9
Webster -----	233	1.4	41 589	.6	5 448 032	.6	4	10.2	179	5.7	1 704	1.6
Whitley -----	49	4.8	440	5.7	32 415	5.2	8	9.8	223	11.8	4 135	12.5
Wolfe -----	62	4.3	586	6.3	50 457	6.5	6	15.1	60	15.8	1 420	16.0
Woodford -----	63	2.9	2 041	1.1	265 557	.8	37	3.4	877	1.8	13 481	2.1
Selected crops harvested —Con.												
Geographic area	Wheat for grain								Tobacco			
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Pounds	Relative standard error of estimate (percent)
	<b>Kentucky -----</b>	<b>3 881</b>	<b>.7</b>	<b>326 268</b>	<b>.3</b>	<b>16 252 236</b>	<b>.2</b>	<b>59 373</b>	<b>1.0</b>	<b>268 140</b>	<b>.8</b>	<b>542 000 404</b>
Adair -----	24	4.0	706	2.1	17 558	1.3	1 136	1.4	3 095	1.6	5 475 347	1.6
Allen -----	35	5.9	847	5.8	29 024	4.8	669	1.7	1 998	2.1	3 669 387	2.0
Anderson -----	3	—	46	—	1 632	—	505	1.2	2 220	1.5	3 958 293	1.6
Ballard -----	60	2.1	8 958	.6	495 256	.6	284	1.3	1 506	1.5	3 290 876	1.4
Barren -----	86	3.3	2 739	1.6	116 668	1.5	1 605	1.6	6 248	1.7	12 443 649	1.7
Bath -----	13	7.7	115	7.0	4 195	7.1	714	1.0	4 447	1.2	9 271 731	1.3
Bell -----	—	—	—	—	—	—	3	22.7	2	22.5	3 852	23.0
Boone -----	10	8.2	143	5.4	4 390	5.6	524	1.1	1 934	1.6	4 067 085	1.7
Bourbon -----	71	2.4	1 844	1.1	58 886	1.2	760	1.1	7 769	.9	17 440 776	.9
Boyd -----	—	—	—	—	—	—	20	7.4	52	8.2	77 867	11.5
Boyle -----	16	5.2	601	2.1	21 400	2.1	522	1.2	2 826	1.2	5 558 264	1.2
Bracken -----	11	8.1	66	6.4	2 600	6.6	558	1.0	3 621	1.3	7 910 844	1.3
Breathitt -----	—	—	—	—	—	—	229	1.8	741	2.5	1 068 047	2.6
Breckinridge -----	75	2.5	3 879	1.2	145 900	1.1	1 160	1.0	4 435	1.0	9 120 338	1.0
Bullitt -----	12	8.7	133	9.5	4 419	10.0	273	1.5	777	2.5	1 563 813	2.4
Butler -----	14	8.4	925	4.1	38 866	2.8	227	2.5	673	3.7	1 140 083	3.6
Caldwell -----	45	2.9	6 432	.9	337 531	.8	228	1.8	987	2.2	2 170 960	2.4
Calloway -----	160	1.8	20 061	.6	945 644	.6	351	1.4	1 632	1.5	3 720 944	1.5
Campbell -----	12	8.3	125	7.7	4 475	6.6	205	1.7	531	2.8	1 120 704	2.8
Carlisle -----	53	2.8	5 457	1.4	273 675	1.4	119	2.2	436	3.1	928 301	3.1
Carroll -----	3	18.3	(D)	(D)	(D)	(D)	292	1.1	1 976	1.6	3 944 982	1.6
Carter -----	—	—	—	—	—	—	750	1.4	2 273	1.7	4 185 755	1.6
Casey -----	17	7.5	292	3.9	8 189	4.4	1 135	1.1	3 600	1.3	6 474 432	1.3
Christian -----	229	1.5	37 199	.4	2 132 645	.4	730	1.2	4 355	1.0	9 067 522	1.0
Clark -----	25	3.2	623	1.2	14 763	2.3	640	1.1	4 784	1.0	10 085 866	1.0
Clay -----	—	—	—	—	—	—	450	1.6	1 616	2.2	2 650 745	2.4
Clinton -----	11	6.3	289	3.7	10 130	3.5	549	1.7	1 435	1.9	2 590 934	1.9
Crittenden -----	24	4.6	1 304	1.8	56 117	1.5	2	17.2	(D)	(D)	(D)	(D)
Cumberland -----	2	19.6	(D)	(D)	(D)	(D)	502	1.7	1 755	2.0	2 803 208	2.0
Daviess -----	102	1.9	11 217	.7	532 721	.8	838	1.1	4 164	1.0	9 343 949	.9
Edmonson -----	14	7.0	374	3.0	8 780	3.9	421	1.5	1 193	2.3	2 162 022	2.1
Elliott -----	3	17.0	86	17.3	3 440	17.3	462	1.4	1 230	2.4	2 138 610	2.4
Estill -----	2	22.1	(D)	(D)	(D)	(D)	356	1.6	1 107	2.5	1 966 454	2.5
Fayette -----	19	3.4	803	.9	29 364	1.0	484	1.2	6 285	1.3	13 344 305	1.0
Fleming -----	32	4.2	580	4.6	17 037	3.4	980	1.0	5 704	1.1	11 136 662	1.1
Floyd -----	—	—	—	—	—	—	5	17.6	4	26.2	2 358	17.9
Franklin -----	11	7.6	224	15.3	7 132	15.2	532	1.1	3 476	1.2	7 035 451	1.2
Fulton -----	74	1.4	11 996	.4	644 038	.4	7	10.9	12	15.5	22 998	15.9
Gallatin -----	4	9.1	78	1.4	3 085	.5	231	1.3	1 188	1.4	2 461 632	1.4
Garrard -----	7	5.1	238	1.5	7 070	1.1	751	1.1	4 593	1.2	9 431 302	1.1
Grant -----	5	12.0	102	3.0	3 570	3.0	768	1.4	3 432	1.7	7 069 867	1.8
Graves -----	161	1.8	17 378	.9	822 563	.7	472	1.3	2 353	1.6	5 499 967	1.5
Grayson -----	28	3.6	1 374	1.8	51 683	1.6	971	1.2	2 406	1.4	4 525 026	1.3
Green -----	24	5.7	452	6.0	17 980	5.9	958	1.5	3 395	1.8	6 559 180	1.7

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-33

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Selected crops harvested —Con.											
	Wheat for grain								Tobacco			
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Pounds	Relative standard error of estimate (percent)
Greenup -----	4	14.4	21	11.2	592	15.1	592	1.4	1 524	2.0	2 720 068	1.9
Hancock -----	19	5.2	2 093	2.3	104 377	2.2	378	1.2	1 344	2.1	2 752 347	1.8
Hardin -----	86	2.4	5 870	1.9	235 548	1.8	1 101	1.1	2 802	1.6	5 248 648	1.4
Harlan -----	—	—	—	—	—	—	3	15.7	7	6.7	15 800	9.0
Harrison -----	39	3.5	1 011	1.7	38 167	2.0	873	.9	5 736	.9	12 225 552	1.0
Hart -----	18	3.4	683	.2	18 038	.3	1 262	1.3	5 495	1.2	10 863 682	1.4
Henderson -----	66	2.6	6 483	1.1	343 069	1.2	169	2.0	657	1.7	1 420 077	1.6
Henry -----	33	5.5	941	2.7	39 981	1.8	877	1.6	5 295	1.7	11 763 829	1.7
Hickman -----	96	1.8	16 883	.6	798 022	.5	31	5.1	106	5.8	254 848	5.7
Hopkins -----	45	3.4	2 651	1.5	135 393	1.2	101	2.9	318	3.8	627 858	3.9
Jackson -----	—	—	—	—	—	—	662	1.6	1 996	2.3	3 539 893	2.4
Jefferson -----	12	7.7	488	7.8	16 351	6.2	133	2.6	400	2.9	765 577	3.4
Jessamine -----	7	8.7	135	3.3	4 462	2.0	603	1.1	4 462	1.2	9 801 476	1.2
Johnson -----	—	—	—	—	—	—	133	2.5	342	3.7	561 572	3.8
Kenton -----	—	—	—	—	—	—	328	1.3	923	1.8	1 821 327	1.8
Knott -----	—	—	—	—	—	—	1	—	(D)	(D)	(D)	(D)
Knox -----	1	—	(D)	(D)	(D)	(D)	216	2.3	576	3.4	921 798	3.1
Larue -----	40	4.0	1 654	3.4	63 980	3.4	602	1.0	1 928	1.5	3 576 687	1.4
Laurel -----	6	10.0	112	8.8	2 710	12.2	951	1.2	2 764	1.3	4 835 172	1.4
Lawrence -----	—	—	—	—	—	—	219	1.8	584	2.8	962 231	3.0
Lee -----	—	—	—	—	—	—	128	2.3	388	4.0	582 315	3.8
Leslie -----	—	—	—	—	—	—	12	7.1	25	13.1	30 903	9.9
Letcher -----	—	—	—	—	—	—	1	43.3	(D)	(D)	(D)	(D)
Lewis -----	11	6.2	192	12.1	8 674	18.0	793	.9	3 188	1.2	5 983 576	1.2
Lincoln -----	19	5.2	245	2.8	8 320	3.4	1 089	1.1	4 200	1.1	8 420 773	1.0
Livingston -----	26	4.0	2 830	7.4	106 570	4.0	4	18.7	9	14.4	14 000	12.4
Logan -----	308	1.6	33 098	.7	1 971 682	.7	642	1.4	3 413	1.3	7 162 501	1.3
Lyon -----	12	6.8	805	2.7	31 049	3.2	115	2.2	580	2.6	1 242 859	2.5
McCracken -----	34	4.1	2 071	2.4	119 268	2.4	149	2.1	589	2.4	1 206 937	2.4
McCreary -----	—	—	—	—	—	—	30	6.0	62	6.9	95 172	7.9
McLean -----	69	2.1	6 308	.7	332 823	.7	260	1.5	1 198	1.9	2 649 933	1.9
Madison -----	3	15.7	29	7.3	(D)	(D)	1 168	.9	6 880	1.0	14 061 300	1.0
Magoffin -----	—	—	—	—	—	—	357	1.9	991	2.7	1 402 516	2.7
Marion -----	46	3.4	2 192	2.1	83 542	2.3	841	1.7	3 161	1.8	6 531 754	1.7
Marshall -----	27	4.7	3 129	1.6	135 317	1.5	103	2.7	419	3.5	689 297	3.2
Martin -----	—	—	—	—	—	—	2	23.6	(D)	(D)	(D)	(D)
Mason -----	64	3.4	1 026	2.9	32 242	2.7	748	1.0	5 501	1.1	11 915 849	1.1
Meade -----	74	3.5	5 877	1.7	233 150	1.7	493	1.5	1 334	2.2	2 776 831	2.2
Menifee -----	—	—	—	—	—	—	327	1.6	1 139	1.5	2 122 717	1.6
Mercer -----	11	6.7	453	2.1	18 915	1.7	675	1.1	4 230	1.0	8 732 892	1.0
Metcalfe -----	22	6.7	426	4.3	10 731	5.3	841	1.7	3 244	1.9	6 210 624	1.9
Monroe -----	26	5.7	556	4.2	14 864	5.3	716	1.7	2 274	1.8	4 225 061	1.9
Montgomery -----	7	5.6	101	3.9	3 690	4.3	617	1.2	3 958	1.2	8 437 252	1.2
Morgan -----	—	—	—	—	—	—	676	1.7	2 420	1.7	4 289 896	1.7
Muhlenberg -----	38	4.3	1 781	3.9	74 899	4.6	216	1.9	998	2.2	2 014 216	2.2
Nelson -----	58	3.0	2 735	5.1	90 813	5.4	855	1.1	3 025	1.3	6 216 816	1.4
Nicholas -----	18	5.9	290	4.7	11 723	3.6	510	1.0	3 649	1.2	7 448 095	1.2
Ohio -----	17	4.8	806	2.0	39 282	1.7	657	1.3	1 613	1.6	3 082 308	1.5
Oldham -----	24	4.5	1 912	2.1	82 342	2.0	197	1.9	1 046	2.5	2 023 489	2.6
Owen -----	9	7.1	74	2.7	2 782	3.6	691	1.3	4 231	1.3	9 108 024	1.3
Owsley -----	—	—	—	—	—	—	301	1.8	1 220	3.1	1 834 440	2.7
Pendleton -----	4	12.7	33	7.8	1 335	6.4	583	.9	2 908	1.2	6 231 878	1.2
Perry -----	—	—	—	—	—	—	14	9.7	28	11.9	41 347	12.3
Pike -----	—	—	—	—	—	—	3	20.6	5	19.4	6 040	20.2
Powell -----	—	—	—	—	—	—	212	1.7	692	2.7	1 191 595	2.9
Pulaski -----	39	3.6	960	1.8	41 288	1.3	1 367	1.0	3 840	1.2	7 341 541	1.2
Robertson -----	2	18.6	(D)	(D)	(D)	(D)	260	1.1	1 762	1.5	3 287 638	1.6
Rockcastle -----	7	10.7	89	6.9	3 500	6.7	656	1.2	1 880	1.6	3 467 322	1.6
Rowan -----	2	31.7	(D)	(D)	(D)	(D)	396	1.6	1 079	2.6	1 888 278	2.5
Russell -----	20	6.2	733	4.1	25 993	4.4	796	1.3	2 222	1.6	3 893 885	1.7
Scott -----	15	5.4	262	2.2	10 634	1.9	683	1.0	6 135	.9	14 109 628	.8
Shelby -----	83	2.8	2 724	1.7	89 351	1.7	1 162	.9	7 049	.9	15 168 085	.9
Simpson -----	181	1.8	20 951	1.0	1 060 672	.9	297	1.7	1 306	1.8	2 578 024	1.8
Spencer -----	27	4.3	756	1.7	26 567	1.1	493	1.2	2 843	1.3	5 771 949	1.3
Taylor -----	48	4.2	1 400	4.4	53 078	4.3	771	1.3	2 784	1.7	5 602 415	1.8
Todd -----	184	1.5	21 505	.6	1 209 127	.6	387	1.4	2 187	1.3	4 426 351	1.3
Trigg -----	45	2.9	7 392	.8	391 400	.7	268	1.6	1 510	1.7	3 247 564	1.6
Trimble -----	43	3.9	882	3.6	30 130	3.7	479	1.0	2 106	1.3	4 454 871	1.3
Union -----	65	2.2	6 020	1.5	315 219	1.6	4	16.5	9	18.0	19 225	17.9
Warren -----	117	3.0	10 848	1.4	515 713	1.3	1 064	1.8	3 406	1.8	6 748 360	1.8
Washington -----	20	5.3	362	3.7	12 597	4.1	824	1.1	4 028	1.1	8 446 020	1.5
Wayne -----	17	6.5	433	4.3	16 774	3.5	637	1.0	1 772	1.9	3 386 942	2.2
Webster -----	46	3.0	6 198	.7	322 581	.6	123	2.2	446	3.1	917 855	3.0
Whitley -----	1	44.7	(D)	(D)	(D)	(D)	130	2.6	425	5.2	643 833	4.1
Wolfe -----	—	—	—	—	—	—	420	1.6	1 387	2.0	2 329 308	2.1
Woodford -----	23	3.9	818	4.8	30 239	1.9	517	1.0	5 822	.8	13 094 908	.8

See footnotes at end of table.

## C-34 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Selected crops harvested —Con.											
	Soybeans for beans						Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)
Kentucky -----	7 185	.7	1 030 180	.3	37 796 827	.3	47 478	1.0	1 837 802	.8	3 757 782	.8
Adair -----	6	—	319	—	12 122	—	859	1.6	32 534	1.7	66 222	1.9
Allen -----	17	7.5	1 068	5.6	33 462	5.5	716	1.7	25 463	2.0	53 187	2.2
Anderson -----	1	48.6	(D)	(D)	(D)	(D)	447	1.3	17 049	1.8	34 884	2.0
Ballard -----	157	1.8	37 087	.8	1 268 730	.8	169	1.9	7 263	2.1	17 739	2.2
Barren -----	70	4.1	4 898	2.6	207 009	2.3	1 361	1.7	53 520	1.8	121 818	1.8
Bath -----	21	5.7	1 742	3.9	63 488	4.0	483	1.3	20 127	1.5	39 253	1.5
Bell -----	—	—	—	—	—	—	35	4.7	569	6.4	780	6.5
Boone -----	16	6.1	1 660	3.3	62 030	3.3	414	1.2	11 741	1.5	21 171	1.7
Bourbon -----	73	2.7	5 288	2.2	200 509	2.1	533	1.3	36 564	1.1	75 338	1.2
Boyd -----	—	—	—	—	—	—	121	2.3	2 556	3.2	4 430	3.8
Boyle -----	12	5.3	898	6.4	35 422	6.6	432	1.3	22 521	1.6	44 917	1.4
Bracken -----	5	13.5	64	10.0	3 148	9.0	429	1.2	13 537	1.6	28 282	1.6
Breathitt -----	—	—	—	—	—	—	44	4.8	767	6.5	1 886	8.5
Breckinridge -----	123	2.2	9 240	1.8	338 247	1.9	770	1.2	32 828	1.3	72 987	2.0
Bullitt -----	45	4.0	2 716	4.8	91 903	4.2	328	1.3	9 955	1.8	19 440	2.1
Butler -----	119	3.3	11 975	2.5	426 893	2.1	353	2.0	12 314	2.1	23 678	2.1
Caldwell -----	91	2.4	14 295	1.1	473 201	1.2	275	1.6	13 264	1.6	24 461	1.7
Calloway -----	217	1.7	29 849	.8	990 705	.8	234	1.9	7 091	2.0	14 752	1.9
Campbell -----	17	6.3	282	5.8	10 868	6.8	372	1.0	8 486	1.8	13 651	1.7
Carlisle -----	125	2.0	22 096	1.0	804 090	.9	114	2.1	4 556	2.3	9 295	3.3
Carroll -----	17	6.1	1 325	4.2	45 758	3.9	203	1.6	7 401	1.9	15 696	2.0
Carter -----	1	32.0	(D)	(D)	(D)	(D)	380	9.3	9 335	2.1	15 437	2.2
Casey -----	20	6.7	809	5.7	26 479	4.8	819	1.2	28 085	1.4	65 090	1.6
Christian -----	267	1.5	53 274	.7	1 737 851	.6	532	1.3	27 072	1.7	50 066	1.8
Clark -----	12	5.5	674	2.0	21 759	2.1	527	1.1	25 875	1.2	52 061	1.5
Clay -----	2	21.6	(D)	(D)	(D)	(D)	121	3.1	1 953	4.4	3 057	4.6
Clinton -----	9	9.9	181	9.9	4 993	8.3	394	1.8	12 171	2.1	24 277	2.0
Crittenden -----	67	3.0	6 832	2.7	251 359	2.4	338	1.2	16 966	1.6	31 539	2.0
Cumberland -----	8	10.2	199	9.4	5 225	8.9	328	1.9	10 679	2.3	19 768	2.9
Daviess -----	432	1.3	79 927	.5	3 160 126	.5	456	1.4	13 009	2.0	25 862	1.8
Edmonson -----	39	4.7	2 542	5.2	81 987	5.5	433	1.4	16 170	2.1	35 057	2.2
Elliott -----	—	—	—	—	—	—	192	2.4	4 111	3.7	8 075	4.8
Estill -----	17	8.2	790	10.7	25 628	11.1	254	2.0	6 215	2.9	11 260	3.8
Fayette -----	24	5.4	1 795	6.2	75 972	6.4	279	1.6	16 956	1.6	29 991	1.7
Fleming -----	30	5.0	1 981	2.9	59 514	2.3	808	1.1	35 992	1.1	86 307	1.1
Floyd -----	—	—	—	—	—	—	48	4.5	504	5.6	806	6.7
Franklin -----	8	10.5	244	11.3	8 340	9.9	357	1.4	13 474	1.7	24 452	1.7
Fulton -----	114	1.2	51 922	.2	2 033 596	.2	39	3.1	1 441	2.6	3 186	2.8
Gallatin -----	15	6.3	2 136	3.9	80 786	3.5	138	2.1	3 835	2.6	7 759	2.9
Garrard -----	3	11.9	(D)	(D)	(D)	(D)	581	1.3	22 298	1.3	46 915	1.4
Grant -----	8	9.2	271	12.8	7 480	13.8	632	1.5	18 940	2.0	34 995	2.3
Graves -----	379	1.3	52 754	.7	1 874 181	.7	362	1.5	9 893	1.7	19 659	1.8
Grayson -----	70	3.2	5 061	2.1	185 055	2.1	810	1.2	33 214	1.3	66 038	1.3
Green -----	22	7.1	962	7.2	31 410	7.4	740	1.6	27 683	1.9	56 080	2.1
Greenup -----	16	8.4	969	9.4	30 268	9.3	410	1.7	8 964	2.4	15 762	2.7
Hancock -----	66	3.2	7 908	2.2	284 930	2.3	206	1.8	5 107	2.4	10 435	2.5
Hardin -----	170	2.0	18 348	1.3	714 282	1.3	948	1.1	34 310	1.2	73 778	1.4
Harlan -----	—	—	—	—	—	—	17	5.5	427	4.9	449	9.5
Harrison -----	30	4.6	998	2.7	39 858	2.6	723	1.0	33 151	1.1	68 177	1.2
Hart -----	9	9.2	246	5.9	6 852	7.4	865	1.3	32 193	1.2	75 425	1.2
Henderson -----	300	12	68 475	.6	2 598 230	.5	221	1.6	10 036	2.1	20 167	2.7
Henry -----	27	6.4	2 245	6.7	80 194	6.7	672	1.8	31 236	1.9	68 588	1.8
Hickman -----	136	1.7	34 371	.7	1 168 990	.6	72	2.6	2 550	3.0	4 424	2.8
Hopkins -----	179	2.0	30 697	1.0	1 166 562	.8	310	1.5	12 054	2.1	19 514	2.5
Jackson -----	—	—	—	—	—	—	360	2.1	8 943	2.9	15 408	2.8
Jefferson -----	28	5.3	1 965	6.3	68 368	6.2	252	1.8	8 292	2.4	15 184	2.5
Jessamine -----	14	8.1	500	9.4	18 760	11.3	359	1.5	18 653	1.6	30 253	1.6
Johnson -----	—	—	—	—	—	—	66	3.9	1 026	5.6	2 108	6.4
Kenton -----	4	11.2	(D)	(D)	7 950	2.5	329	1.2	8 655	2.0	14 224	3.1
Knott -----	—	—	—	—	—	—	7	11.7	77	15.9	74	28.4
Knox -----	3	21.1	(D)	(D)	(D)	(D)	188	2.4	5 346	3.6	8 093	4.1
Larue -----	103	2.4	10 576	2.5	410 958	2.4	522	1.1	20 870	1.1	46 323	1.2
Laurel -----	1	—	(D)	(D)	(D)	(D)	621	1.3	16 485	1.6	29 748	1.7
Lawrence -----	—	—	—	—	—	—	148	2.3	2 948	3.8	4 227	4.6
Lee -----	—	—	—	—	—	—	63	4.1	1 269	4.3	2 152	6.5
Leslie -----	—	—	—	—	—	—	4	16.9	50	24.1	68	20.0
Letcher -----	—	—	—	—	—	—	10	11.0	181	21.0	266	28.5
Lewis -----	23	5.5	1 293	2.8	40 426	2.3	453	1.2	15 056	1.4	30 352	1.7
Lincoln -----	36	3.9	1 868	1.2	78 927	1.2	832	1.2	31 744	1.2	66 256	1.2
Livingston -----	41	4.3	8 290	1.4	283 045	1.3	239	1.6	16 766	1.9	30 700	2.3
Logan -----	375	1.5	53 923	.8	1 896 011	.7	669	1.4	31 245	1.5	65 141	1.7
Lyon -----	26	4.4	3 313	1.5	123 422	1.5	137	1.8	5 998	2.0	11 669	1.9
McCracken -----	125	2.2	17 693	1.1	631 283	1.0	129	2.4	3 919	3.0	7 154	2.9
McCreary -----	—	—	—	—	—	—	61	3.6	1 885	5.7	2 473	6.1
McLean -----	225	1.4	48 575	.6	1 864 615	.6	139	2.3	3 760	2.2	7 639	2.4
Madison -----	4	12.3	51	3.3	2 126	4.1	886	1.0	35 978	1.1	71 077	1.0
Magoffin -----	2	24.4	(D)	(D)	(D)	(D)	106	3.7	1 373	6.0	2 069	7.2
Marion -----	109	3.3	6 691	2.5	261 131	2.1	755	1.8	32 843	1.9	66 861	2.0
Marshall -----	85	2.9	10 068	1.3	300 455	1.3	263	1.6	8 075	2.4	15 659	2.7

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-35

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Selected crops harvested —Con.											
	Soybeans for beans								Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)			
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)
Martin -----	15	—	589	6.0	—	—	15	5.1	595	4.9	1 155	7.4
Mason -----	109	3.0	9 521	2.1	352 243	2.0	531	1.2	26 739	1.2	56 609	1.2
Meade -----	—	—	—	—	—	—	514	1.5	19 376	2.0	40 818	2.2
Menifee -----	—	—	—	—	—	—	144	2.4	3 579	3.1	6 912	3.2
Mercer -----	20	4.0	1 795	1.2	63 660	1.1	641	1.1	25 929	1.1	55 385	1.2
Metcalf -----	18	8.2	569	5.1	22 331	5.0	615	1.9	23 131	2.1	52 624	2.1
Monroe -----	10	10.3	340	10.4	11 200	8.0	662	1.8	29 770	2.1	64 825	2.2
Montgomery -----	12	7.2	1 036	6.6	28 188	6.9	437	1.4	24 112	1.5	45 813	1.5
Morgan -----	—	—	—	—	—	—	285	2.3	8 005	3.0	14 170	3.2
Muhlenberg -----	129	2.4	16 387	1.4	567 570	1.4	348	1.4	12 955	1.8	23 314	2.1
Nelson -----	142	2.3	7 796	3.1	280 021	2.8	864	1.1	39 196	1.1	80 283	1.1
Nicholas -----	4	11.7	127	7.7	5 540	5.9	382	1.3	18 114	1.6	35 841	1.8
Ohio -----	177	2.1	22 072	1.1	807 667	1.1	453	1.4	14 575	1.9	27 292	2.6
Oldham -----	26	5.1	3 618	1.6	133 160	1.3	227	1.6	12 660	1.7	31 557	1.7
Owen -----	8	9.5	236	6.3	7 957	6.3	587	1.3	25 335	1.5	52 579	1.5
Owsley -----	—	—	—	—	—	—	65	4.3	1 380	6.1	2 083	7.5
Pendleton -----	16	6.0	897	7.1	38 473	6.2	637	.9	18 908	1.4	35 947	1.4
Perry -----	—	—	—	—	—	—	10	10.2	281	16.4	492	29.1
Pike -----	—	—	—	—	—	—	36	4.3	383	4.7	1 026	5.4
Powell -----	6	14.3	312	16.9	8 810	15.5	119	2.7	3 327	4.0	5 526	4.6
Pulaski -----	65	2.9	3 718	2.7	133 380	2.4	1 308	1.0	43 942	1.1	89 866	1.2
Robertson -----	—	—	—	—	—	—	178	1.7	8 755	2.6	18 551	3.4
Rockcastle -----	7	10.9	211	13.2	7 205	13.8	468	1.4	11 417	2.1	24 109	2.4
Rowan -----	3	23.3	69	23.6	2 432	23.4	192	2.4	4 935	3.4	9 980	3.8
Russell -----	24	5.6	1 631	2.0	59 125	1.7	539	1.5	17 377	1.7	35 939	1.8
Scott -----	11	4.1	387	3.6	13 815	3.2	463	1.2	22 740	1.2	44 187	1.3
Shelby -----	134	2.4	13 401	1.6	498 514	1.3	942	1.0	45 893	1.1	105 948	1.1
Simpson -----	224	1.7	35 083	.8	1 246 048	.8	279	1.7	9 740	1.7	18 585	2.1
Spencer -----	41	3.5	3 094	1.8	136 081	1.7	383	1.3	17 106	1.7	38 986	1.8
Taylor -----	78	3.8	4 660	3.4	170 893	3.8	608	1.5	23 032	1.8	48 676	1.8
Todd -----	229	1.5	35 867	.6	1 202 567	.6	269	1.6	11 254	2.2	24 537	2.5
Trigg -----	73	2.7	11 363	1.1	437 989	1.1	216	1.9	13 614	1.7	29 864	1.7
Trimble -----	56	3.6	2 737	6.0	93 388	5.4	334	1.3	8 378	1.8	17 784	2.0
Union -----	192	1.3	50 320	.5	2 284 549	.4	190	1.5	10 895	1.4	23 263	1.5
Warren -----	200	2.6	19 527	1.4	663 438	1.4	1 118	1.8	46 254	1.9	99 940	1.9
Washington -----	43	3.9	1 760	3.9	67 261	4.4	732	1.1	32 921	1.3	67 795	1.5
Wayne -----	87	2.8	6 098	3.7	207 771	2.7	471	1.2	15 150	1.5	31 331	1.5
Webster -----	190	1.5	36 533	.6	1 340 060	.6	202	1.7	8 387	1.6	14 895	1.8
Whitley -----	3	15.8	75	17.0	2 100	17.0	223	1.8	6 660	3.3	9 294	3.4
Wolfe -----	—	—	—	—	—	—	135	2.8	2 835	3.8	6 289	5.4
Woodford -----	17	5.3	1 402	2.8	47 846	2.7	354	1.2	20 725	1.2	40 211	1.2

<sup>1</sup>Data are based on a sample of farms.

**Table G. State Estimates of the Not on the Mail List Component of Farm Coverage Error:  
1992**

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	Census published farms		Not on mail list <sup>1</sup>		Percent not on mail list <sup>1</sup>	
	Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)	Total (percent)	Standard error of percent
Farms ----- number	90 281	1.0	5 703	16.4	5.9	.9
Land in farms ----- acres	13 665 798	.7	542 284	24.2	3.8	.9
Average size of farm ----- acres	151.4	1.2	95.1	20.0	(X)	(X)
Farms by size:						
Less than 10 acres -----	10 402	1.3	1 304	37.6	11.1	3.7
10 to 49 acres -----	21 911	1.2	1 892	31.6	7.9	2.4
Less than 50 acres -----	32 313	1.2	3 195	23.5	9.0	2.0
50 acres or more -----	57 968	1.0	2 507	23.5	4.1	.9
50 to 99 acres -----	18 937	1.1	338	57.3	1.8	1.0
100 to 179 acres -----	17 578	1.1	1 025	37.2	5.5	1.9
180 acres or more -----	21 453	.9	1 144	35.8	5.1	1.7
Harvested cropland ----- farms	79 590	1.0	4 635	18.0	5.5	1.0
acres	4 417 651	.5	94 819	34.6	2.1	.7
Farms by value of sales:						
Less than \$1,000 -----	7 134	1.2	1 540	32.9	17.7	4.8
\$1,000 to \$2,499 -----	10 747	1.2	1 130	37.7	9.5	3.2
Less than \$2,500 -----	17 881	1.2	2 670	24.9	13.0	2.8
\$2,500 or more -----	72 400	1.0	3 033	23.3	4.0	.9
\$2,500 to \$9,999 -----	31 874	1.2	1 732	33.2	5.2	1.6
\$10,000 or more -----	40 526	1.0	1 301	29.8	3.1	.9
Market value of agricultural products sold    \$1,000	2 663 702	.5	58 199	27.7	2.1	.7
Farms by standard industrial classification:						
Crops (01) -----	57 157	1.0	3 616	20.4	6.0	1.2
Livestock (02) -----	33 124	.9	2 087	29.1	5.9	1.6
Farms by type of organization:						
Individual or family -----	76 712	1.0	4 385	18.6	5.4	1.0
Partnership or corporation -----	13 199	1.0	599	54.5	4.3	2.3
Other -----	370	1.9	-	(X)	-	(X)
Farms by tenure of operator:						
Full owners -----	63 398	1.0	3 817	21.2	5.7	1.2
Part owners and tenants -----	26 883	.9	1 499	32.7	5.3	1.6
Part owners -----	18 779	.9	808	43.7	4.1	1.7
Tenants -----	8 104	1.1	692	48.4	7.9	3.5
Operators by place of residence:						
On farm operated -----	62 363	1.0	2 396	26.3	3.7	.9
Not on farm operated -----	19 724	1.0	2 112	28.7	9.7	2.5
Not reported -----	8 194	1.0	1 195	31.5	12.7	3.6
Operators by principal occupation:						
Farming -----	40 175	.9	1 956	25.9	4.6	1.1
Other -----	50 106	1.1	2 465	26.5	4.7	1.2
Operators by sex:						
Male -----	82 523	1.0	5 175	17.4	5.9	1.0
Female -----	7 758	1.1	528	49.5	6.4	3.0
Operators by race:						
White -----	89 567	1.0	4 302	18.6	4.6	.8
Black and other races -----	714	1.7	119	74.0	14.3	9.0
Operators by years on present farm:						
4 years or less -----	12 515	1.3	1 998	31.6	13.8	3.8
5 years or more -----	57 696	1.0	950	38.1	1.6	.6
Average years on present farm -----	18.2	1.4	4.1	26.4	(X)	(X)
Not reported -----	20 070	1.0	2 755	22.9	12.1	2.5
Average age of operator -----	53.2	1.4	45.4	18.3	(X)	(X)

Note: These estimates do not account for incorrectly classified farms or farms appearing more than once in the census and are subject to change in the 1992 Coverage Evaluation publication. See appendix C text for further explanation.

<sup>1</sup>Estimates are based on a sample survey conducted independently of census data collection.